

FIG. 1(a)

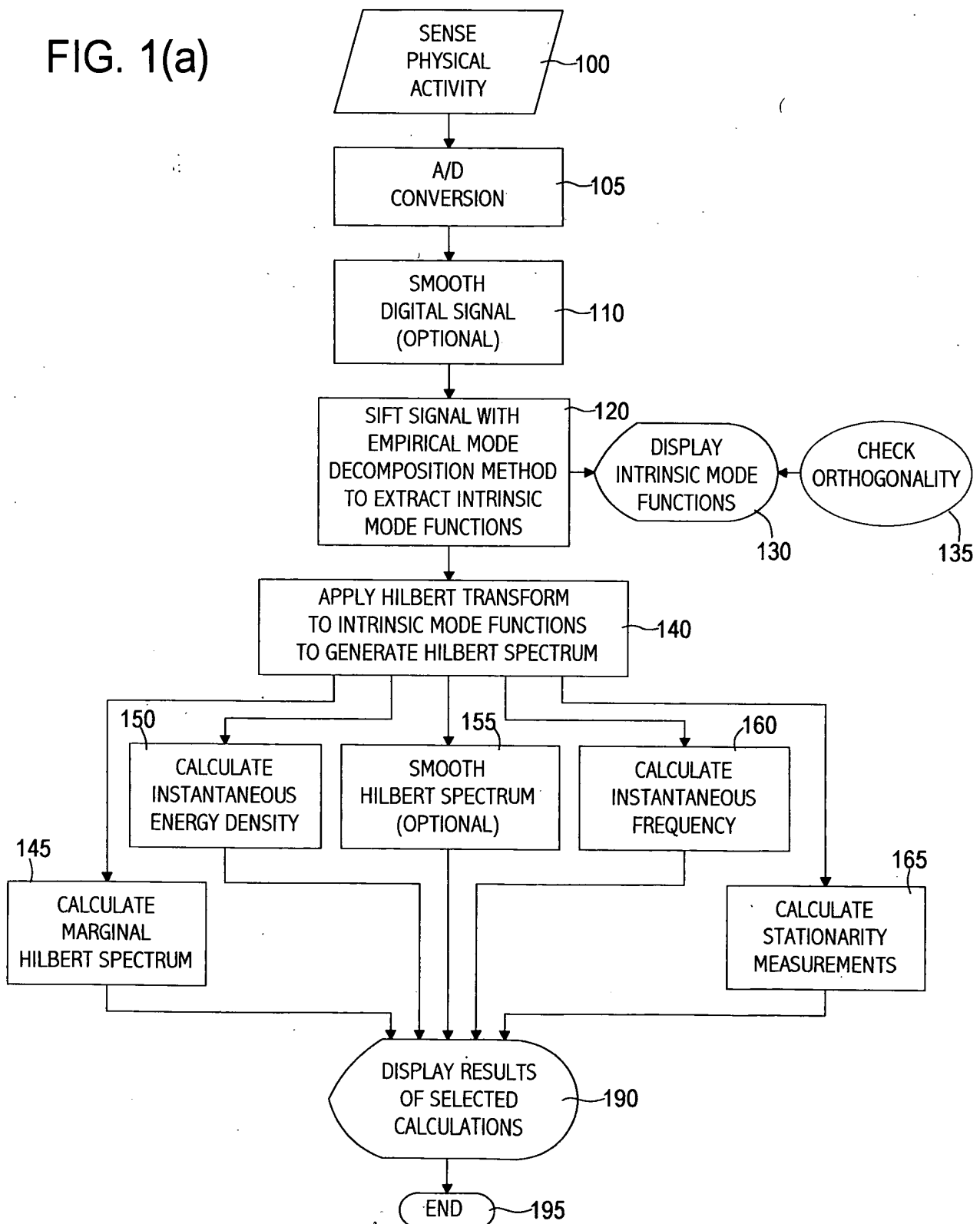


FIG. 1(b)

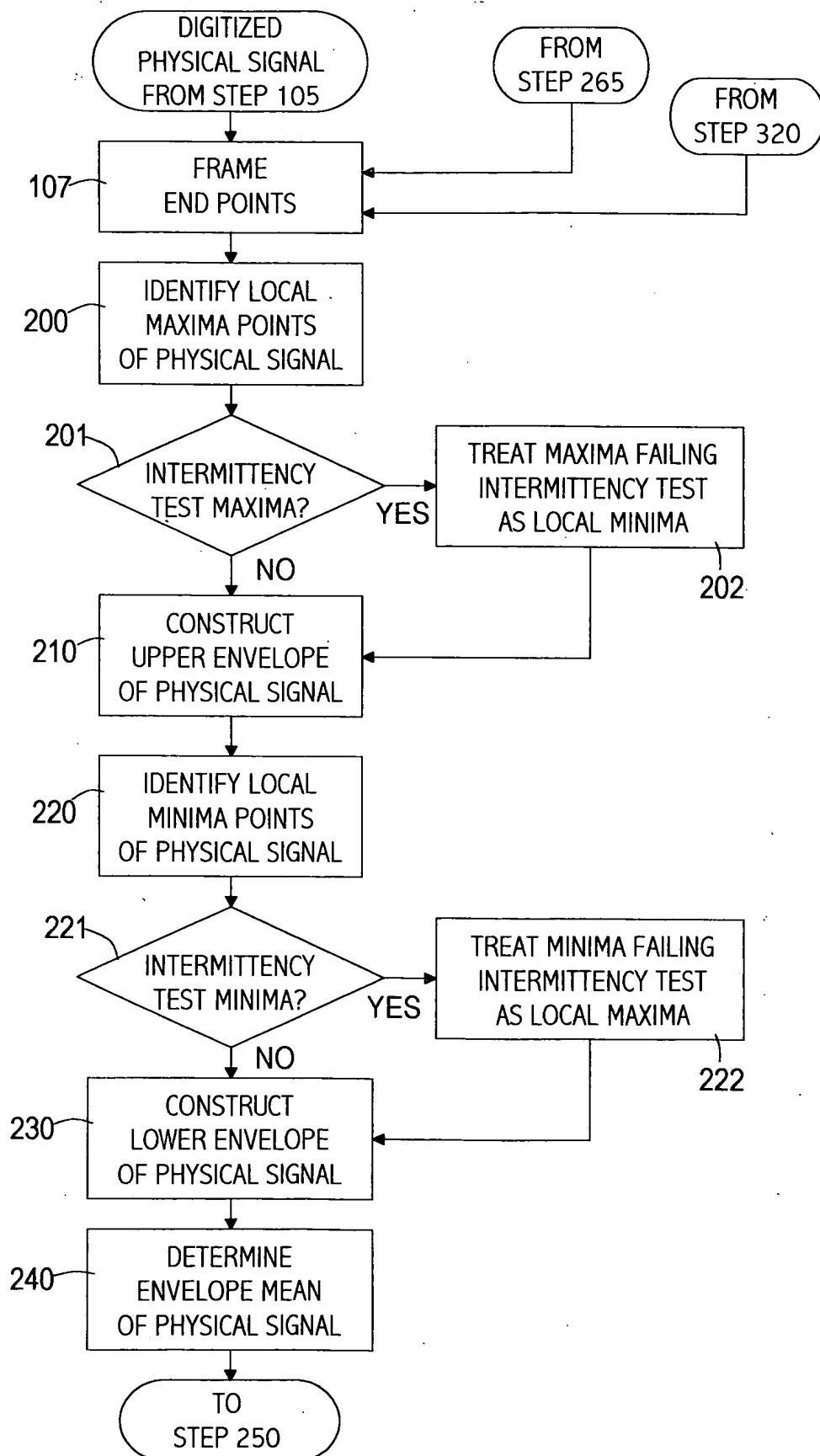
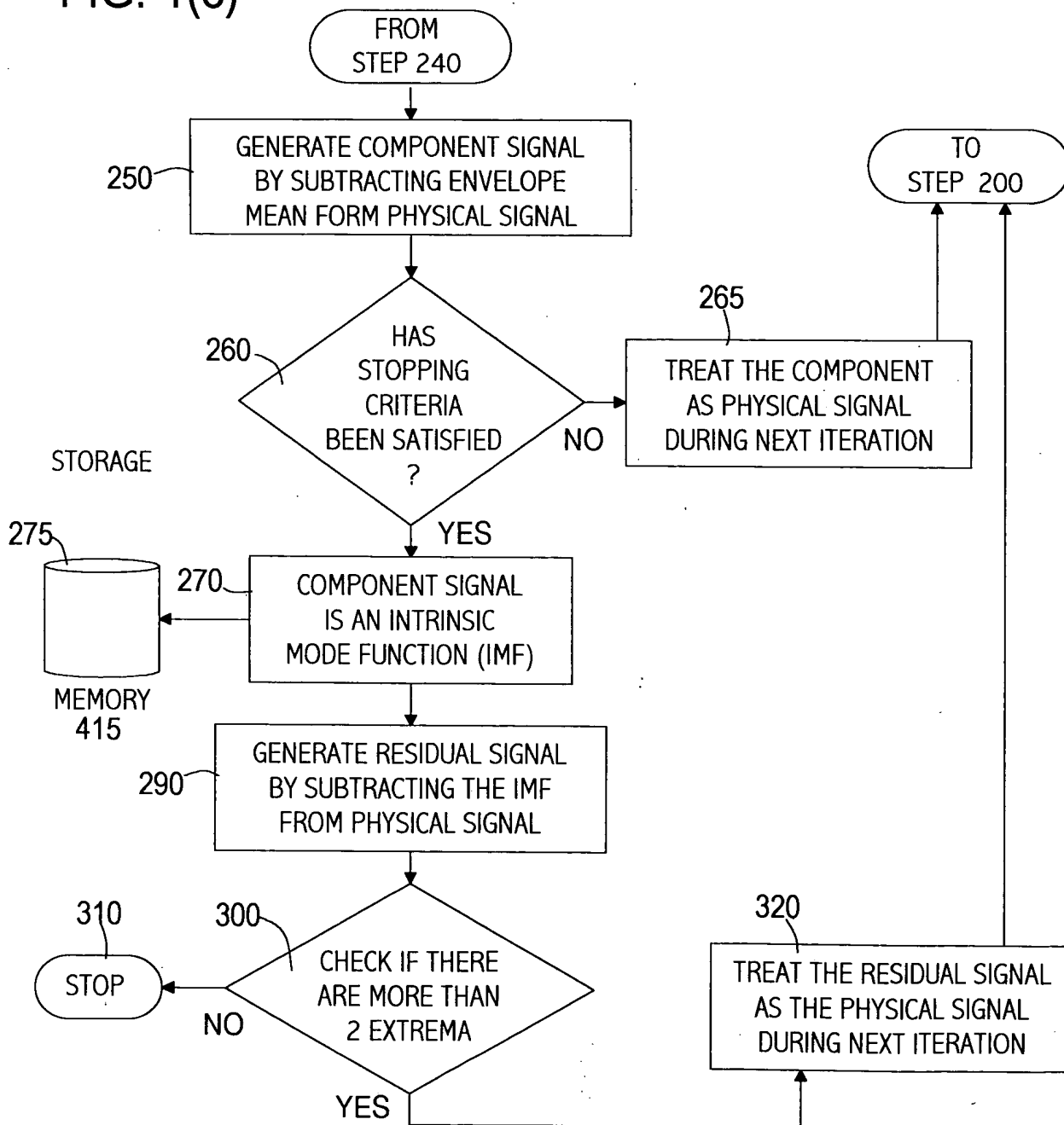


FIG. 1(c)



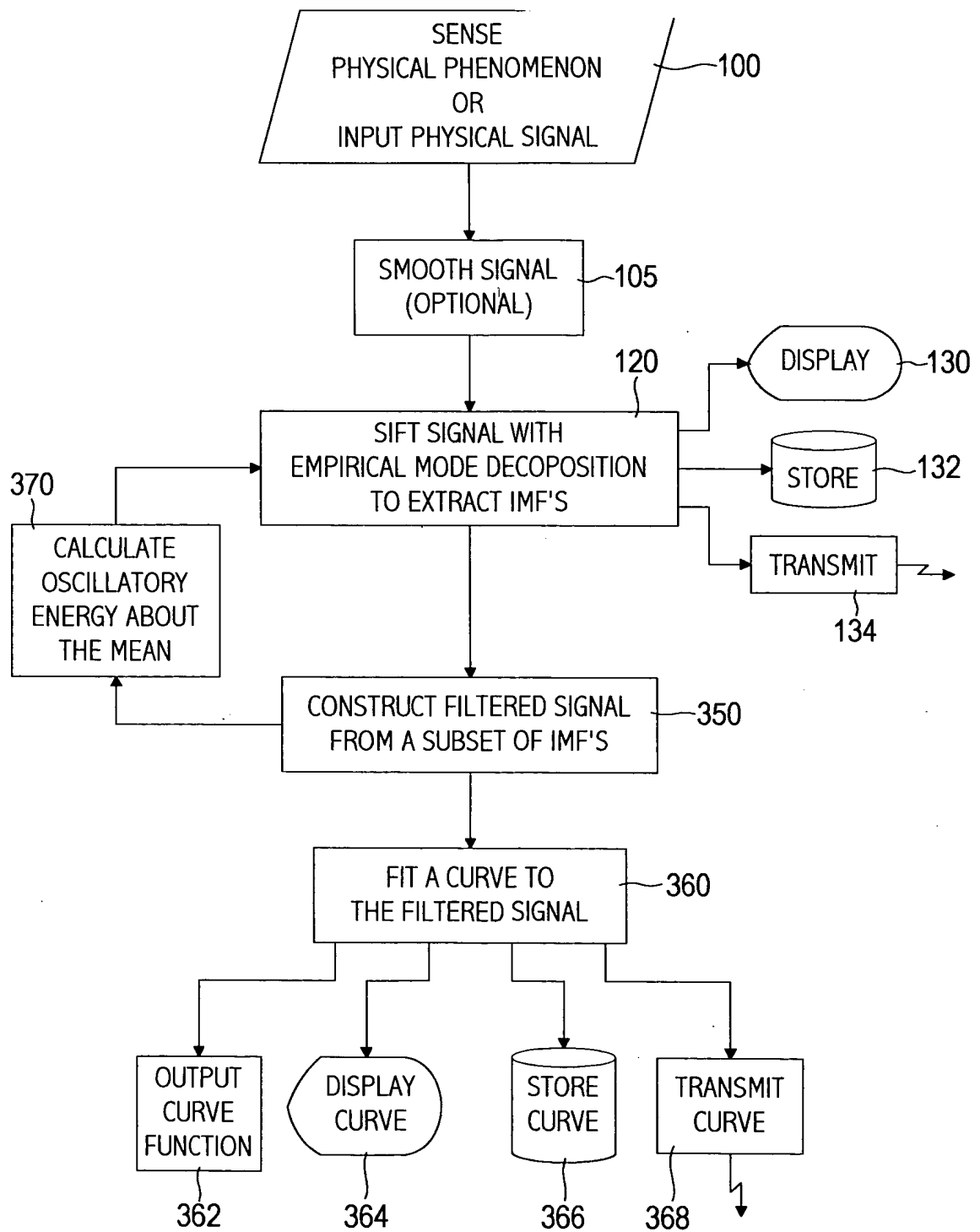


FIG. 1(d)

FIG. 2

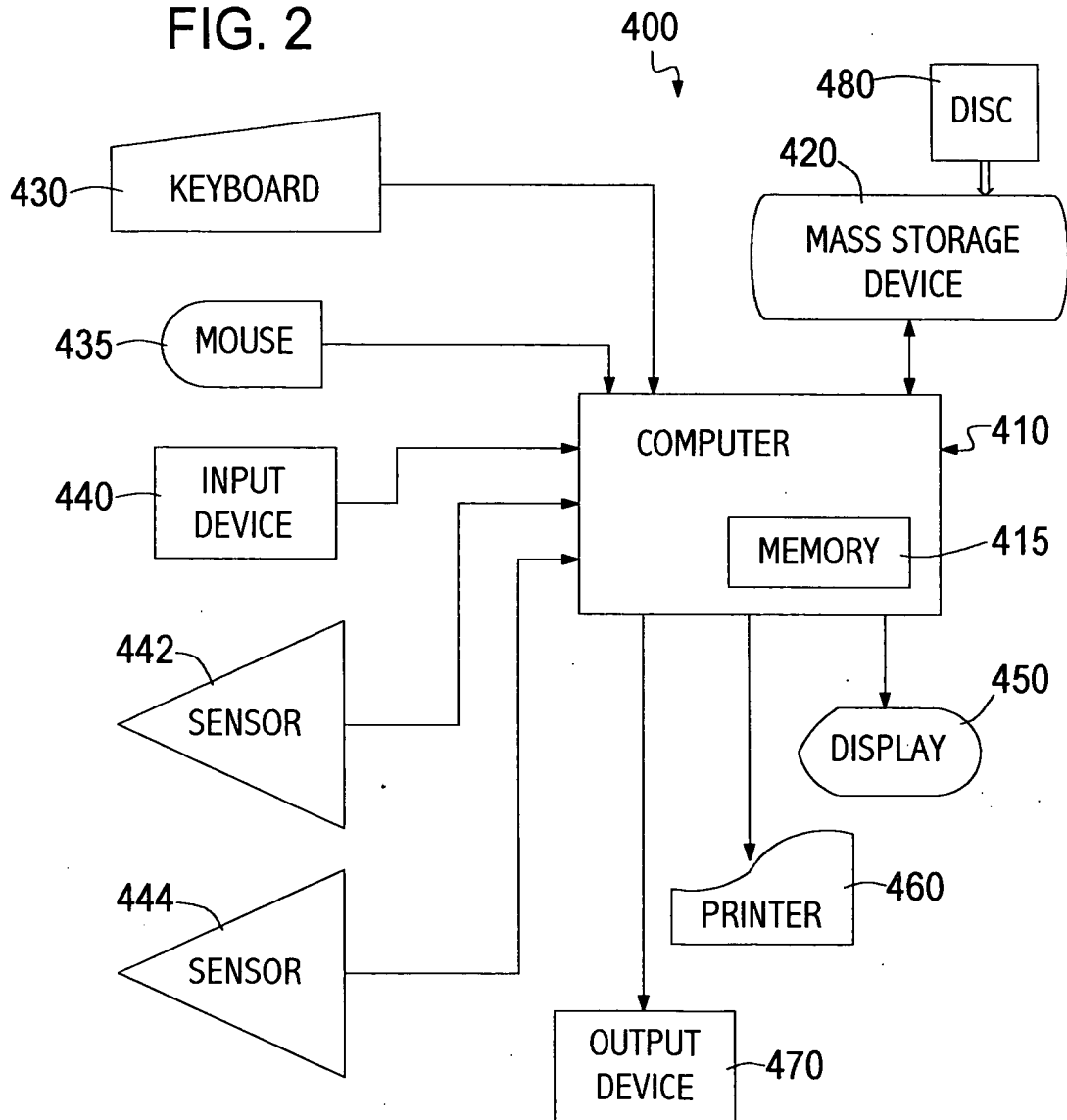


FIG. 3(a)

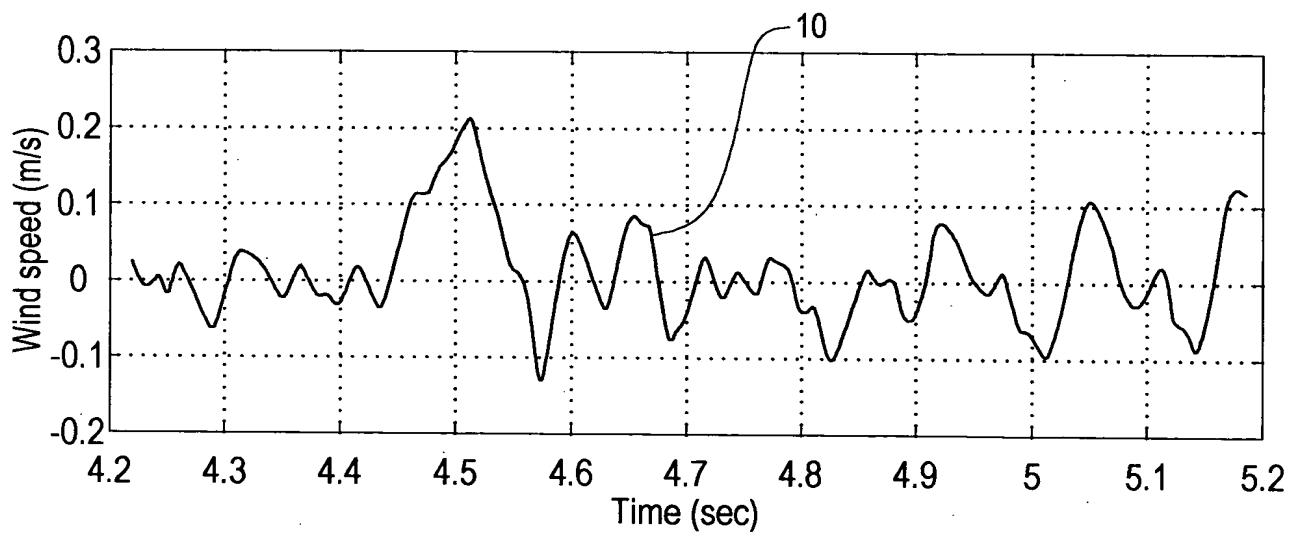


FIG. 3(b)

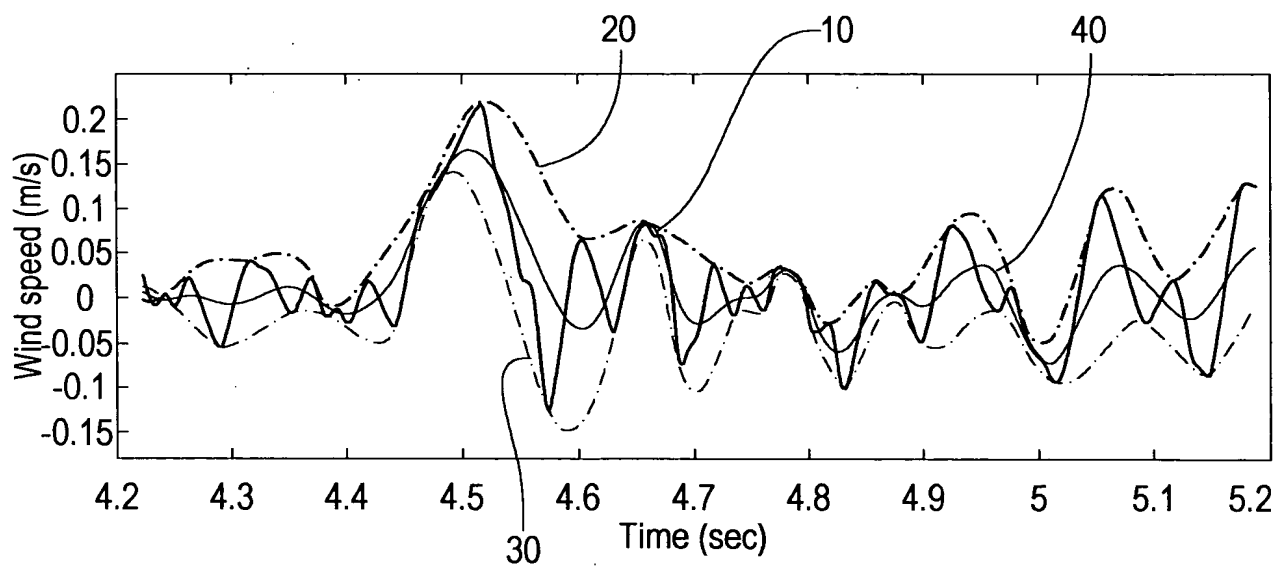


FIG. 3(c)

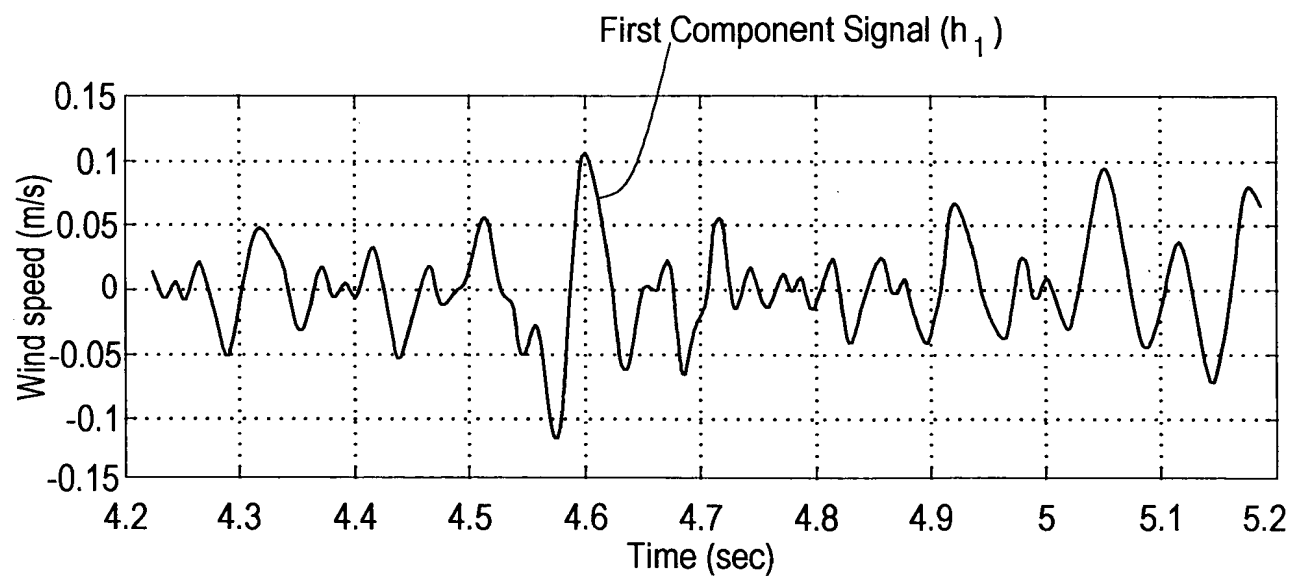


FIG. 3(d)

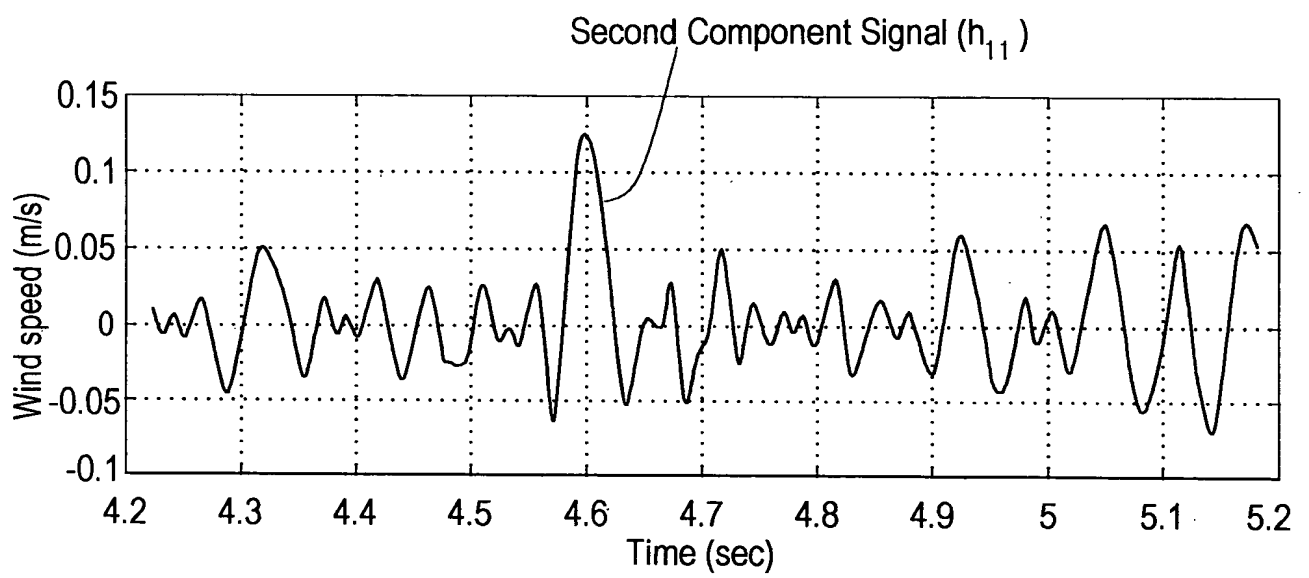


FIG. 3(e)

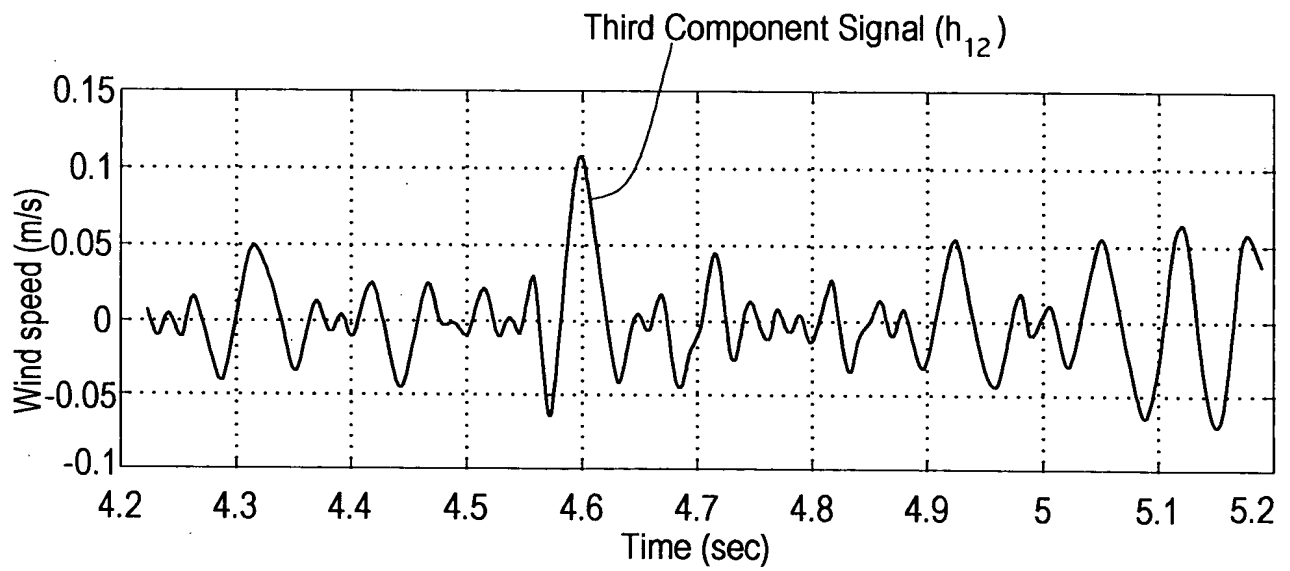


FIG. 3(f)

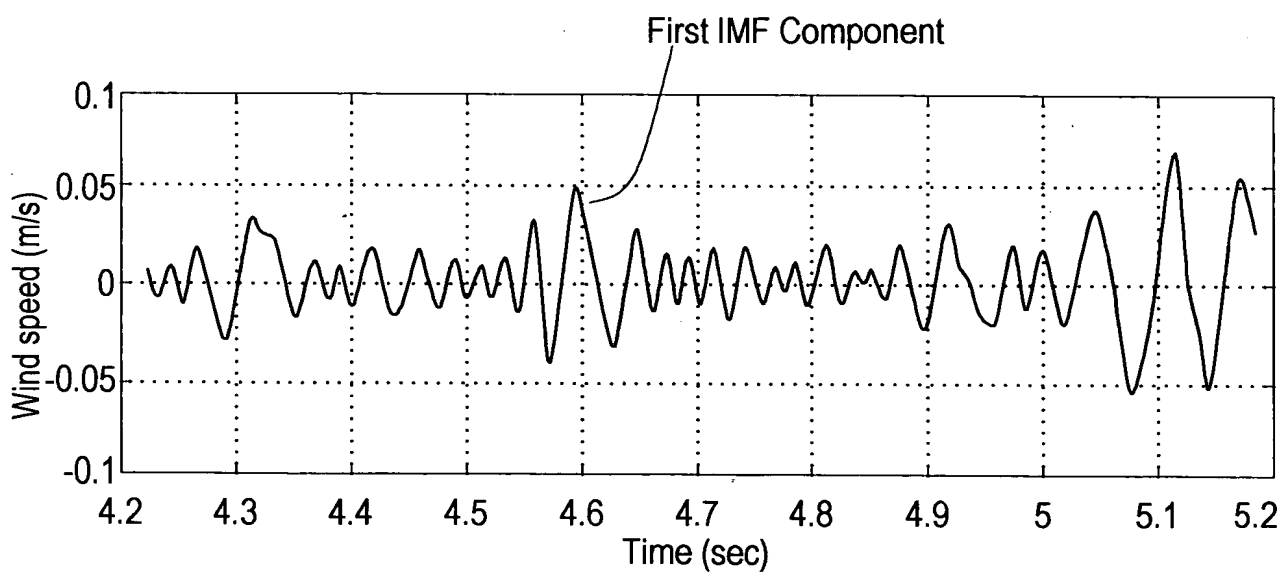
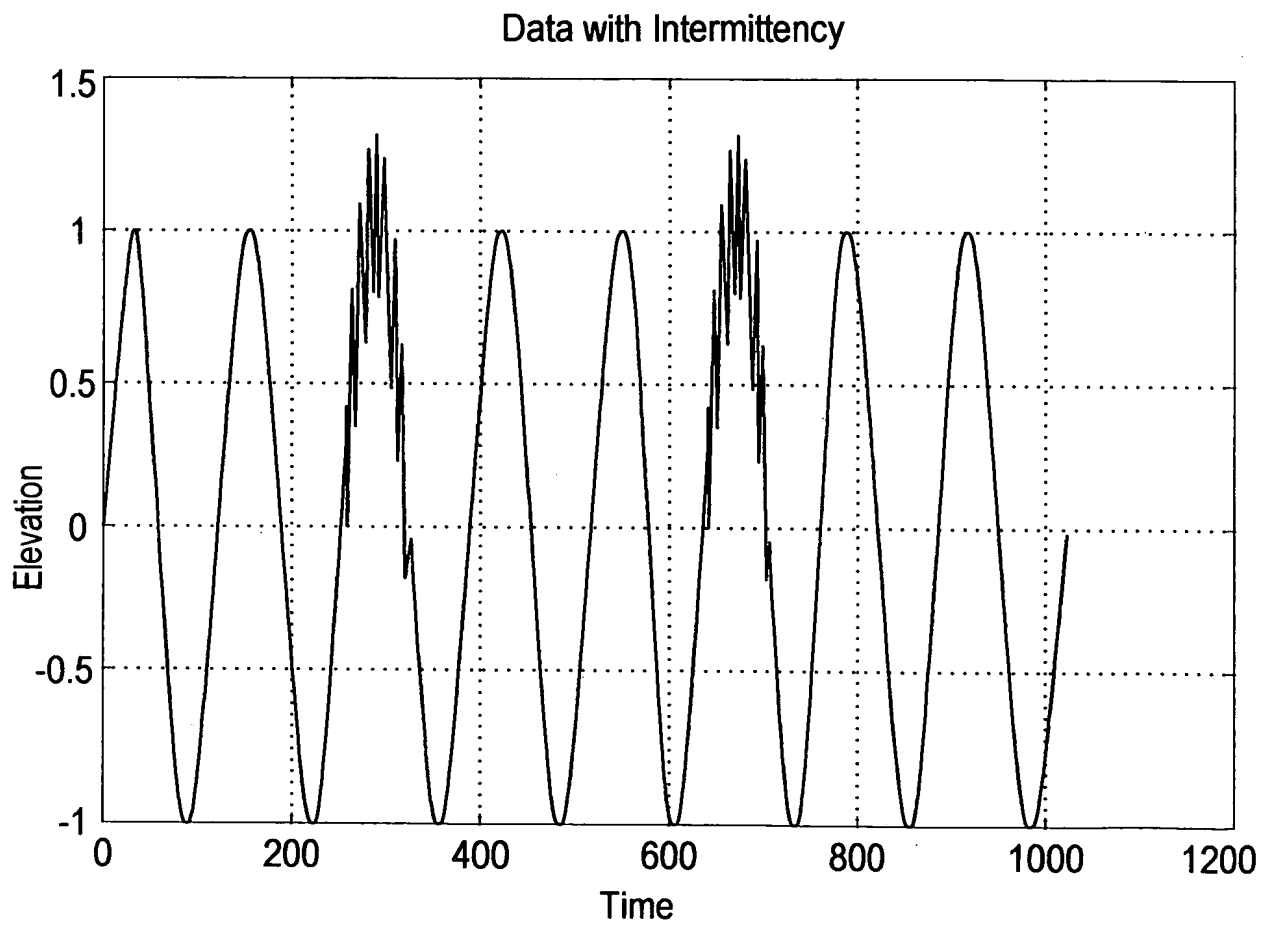


FIG. 3(g)



EMD-IMF without intermittency option

FIG. 3(h)

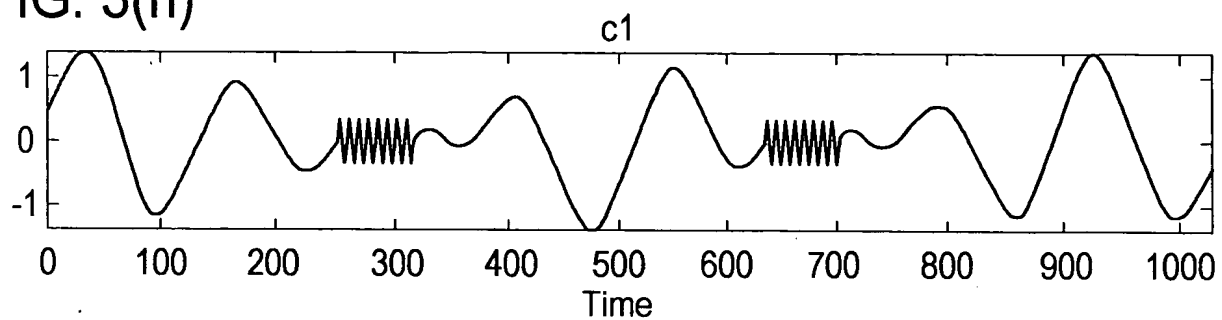


FIG. 3(i)

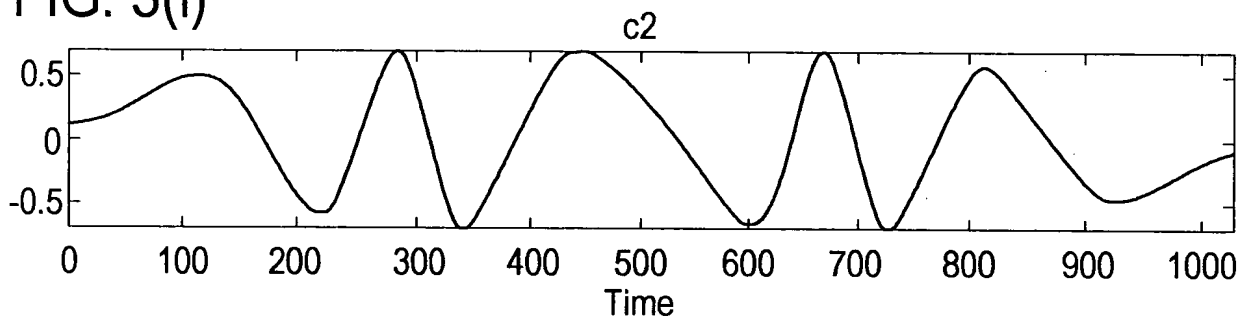


FIG. 3(j)

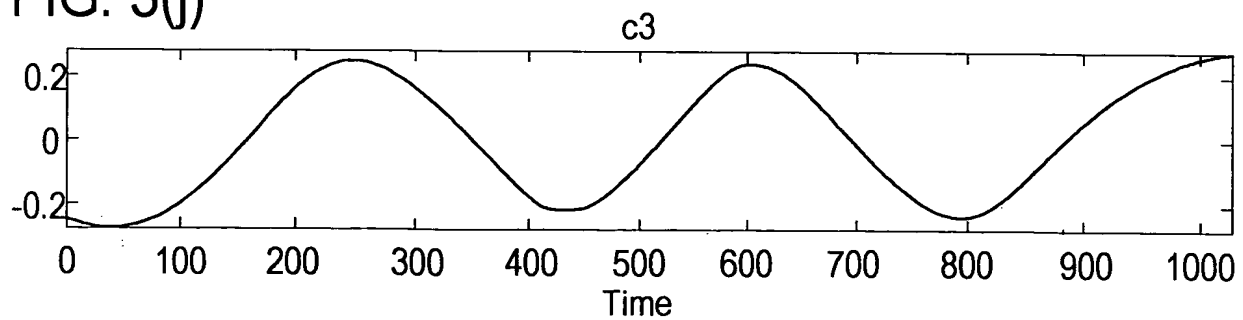


FIG. 3(k)

EMD-IMF without intermittency option

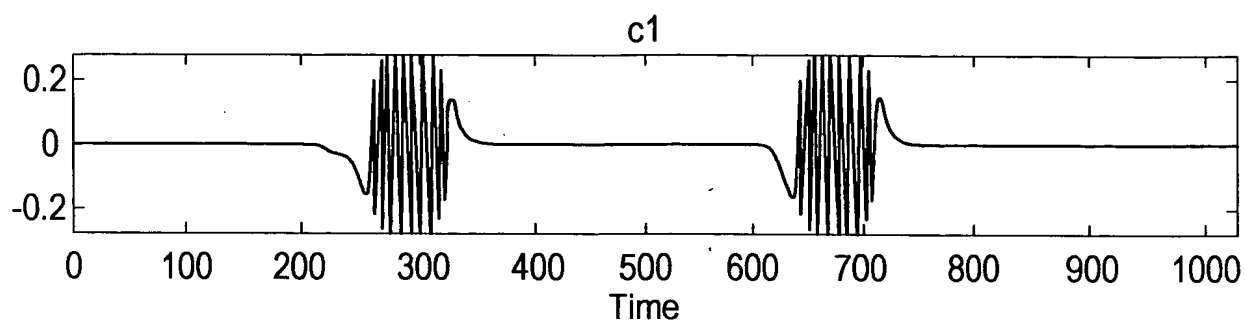


FIG. 3(l)

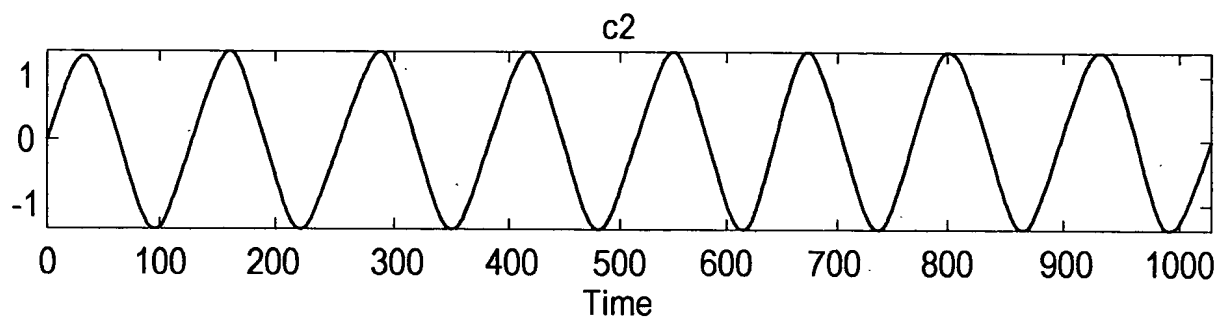


FIG. 3(m)

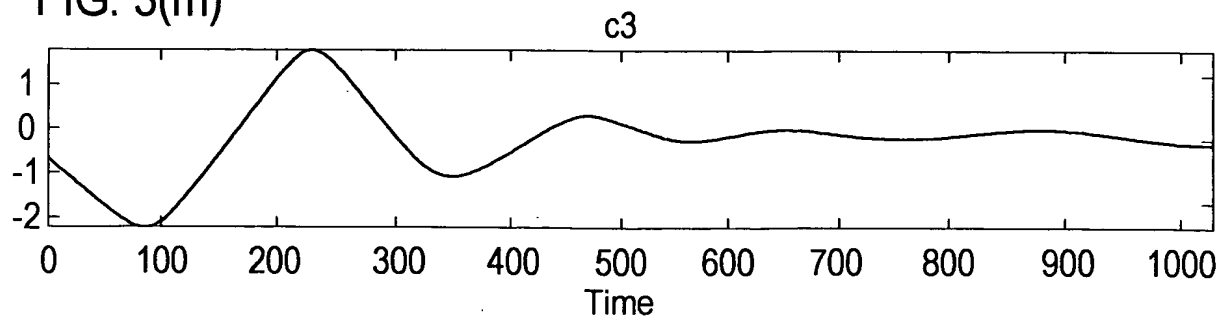


FIG. 4(a)

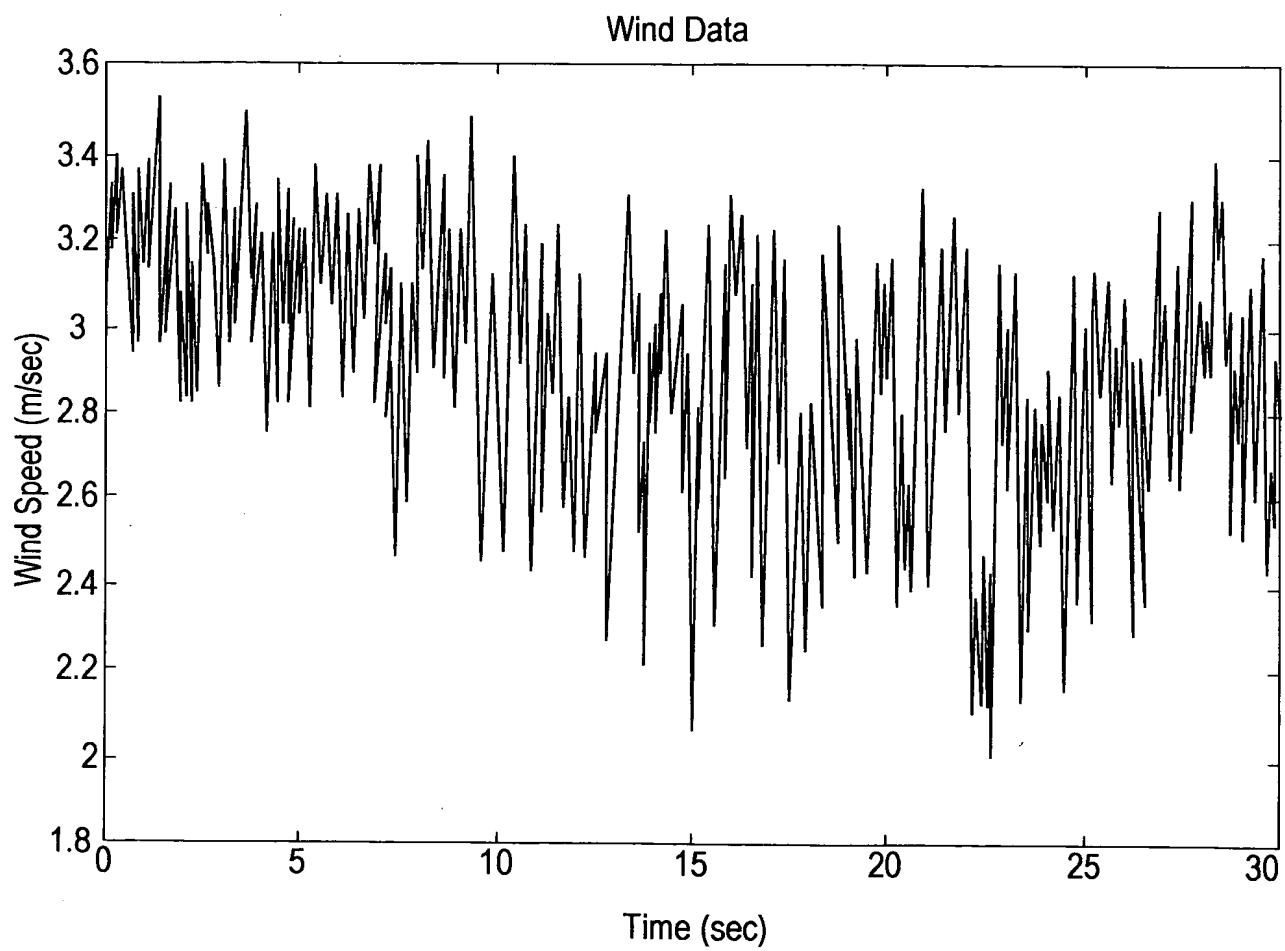


FIG. 4(b)

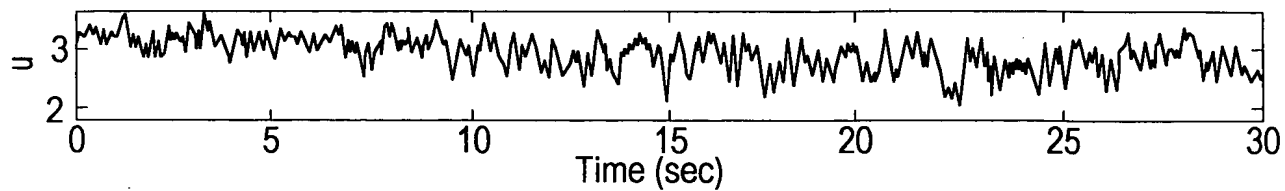


FIG. 4(c)

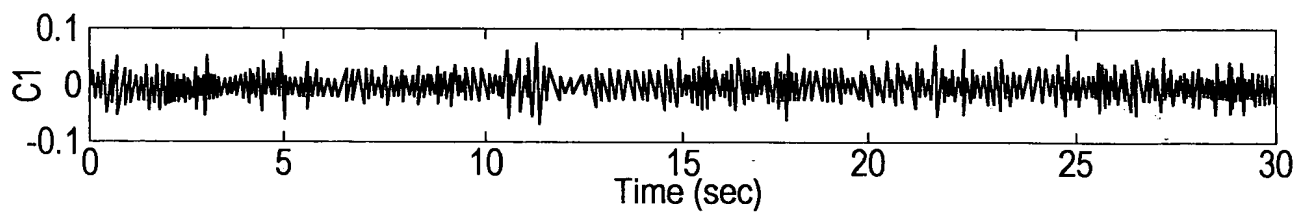


FIG. 4(d)

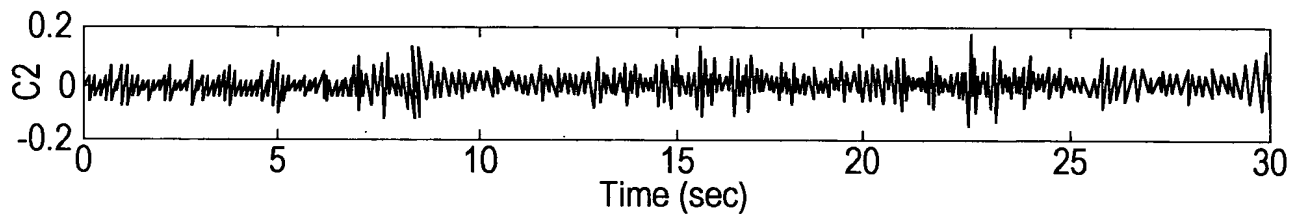


FIG. 4(e)

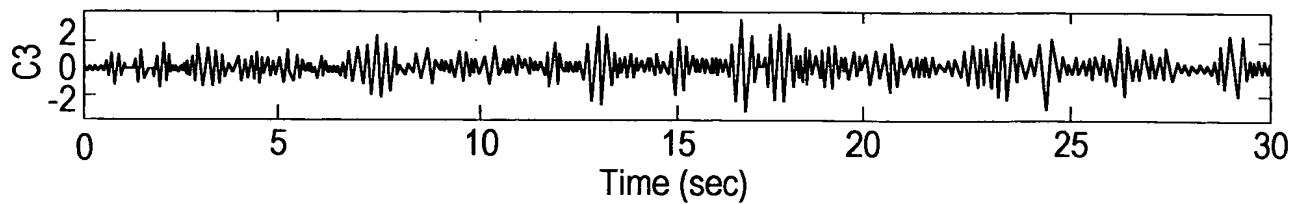


FIG. 4(f)

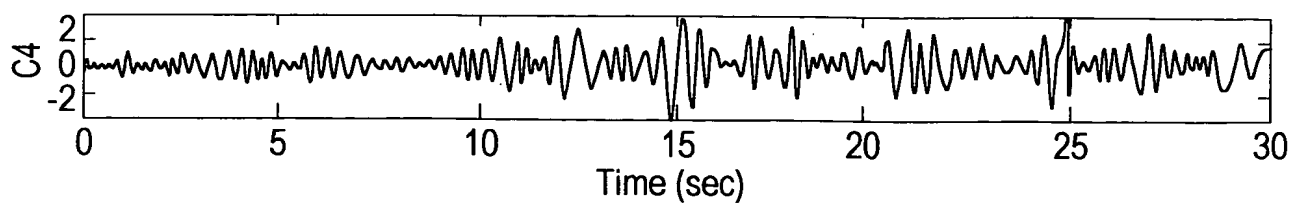


FIG. 4(g)

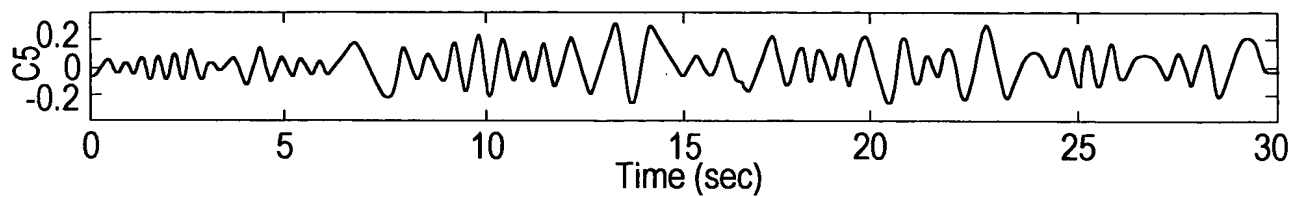


FIG. 4(h)

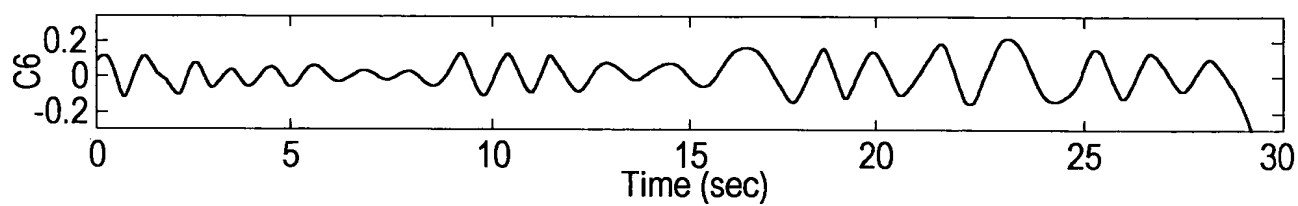


FIG. 4(i)

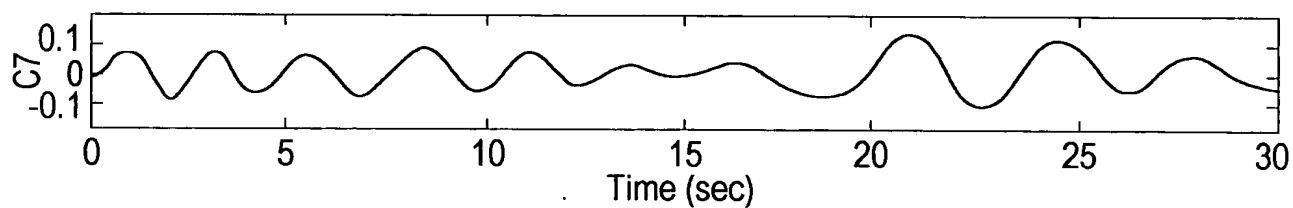


FIG. 4(j)

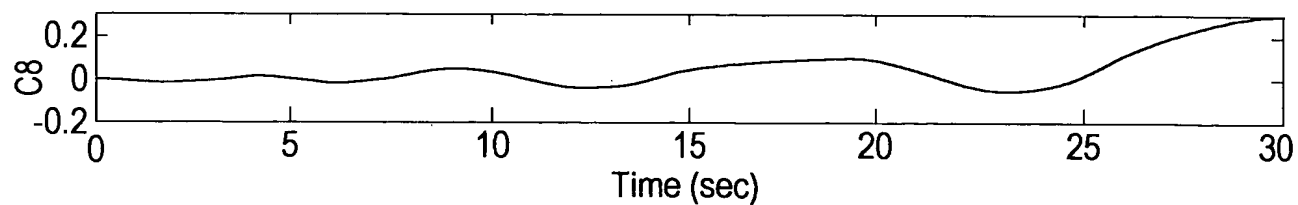


FIG. 4(k)

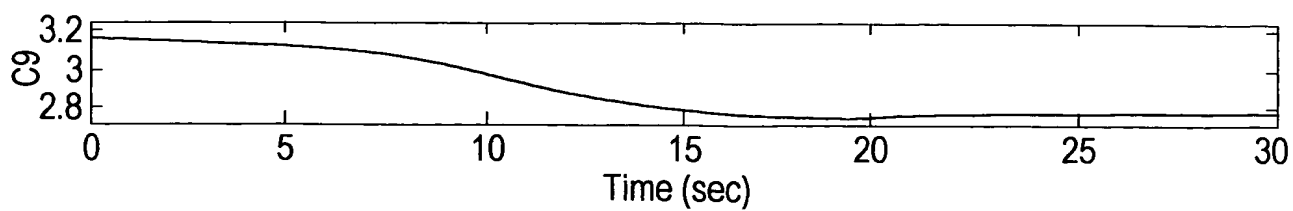


FIG. 5(a)

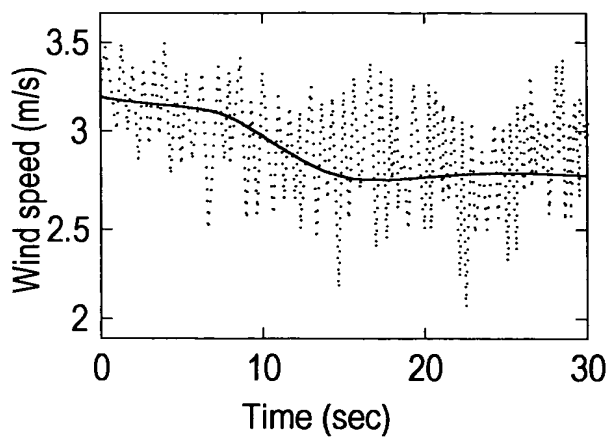


FIG. 5(b)

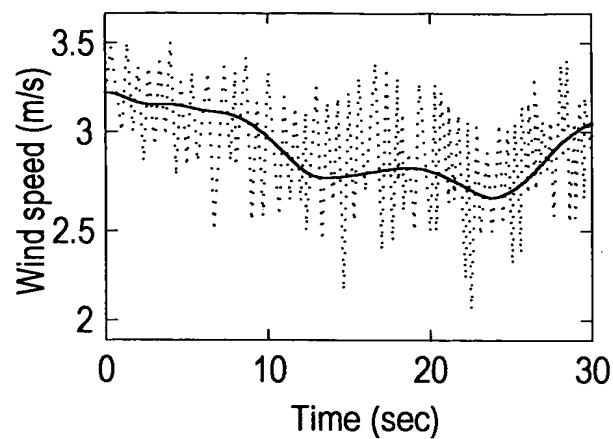


FIG. 5(c)

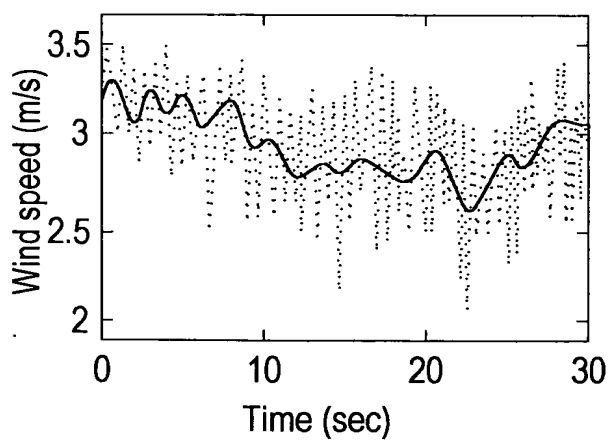


FIG. 5(d)

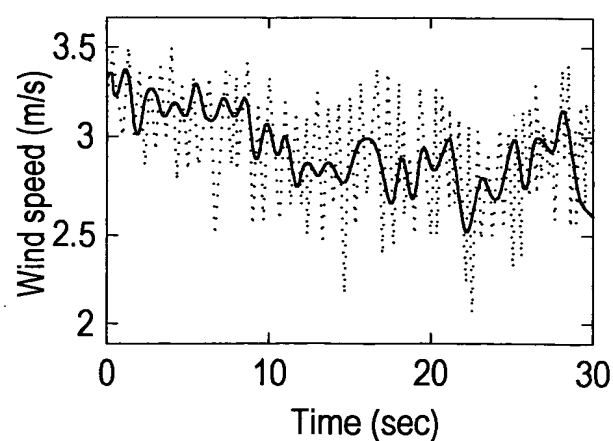


FIG. 5(e)

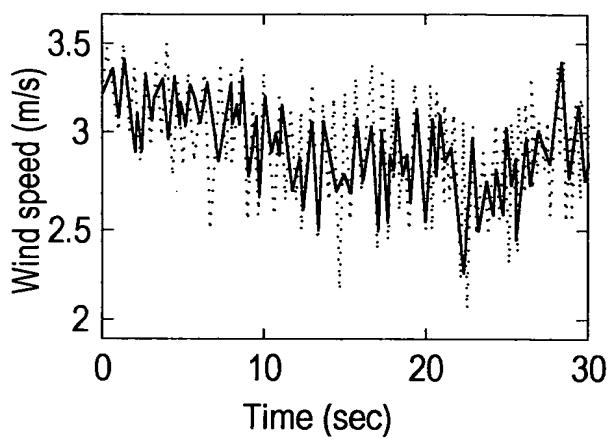


FIG. 5(f)

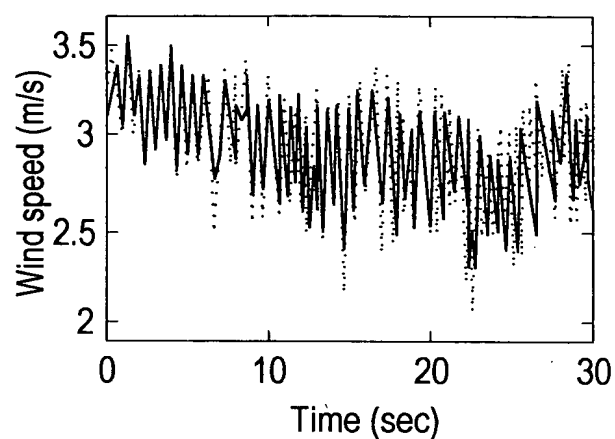


FIG. 5(g)

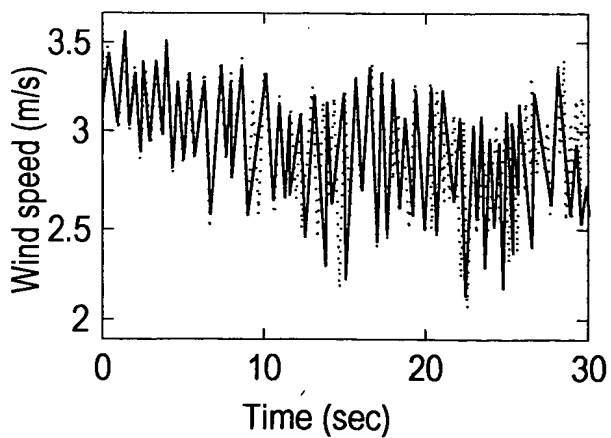


FIG. 5(h)

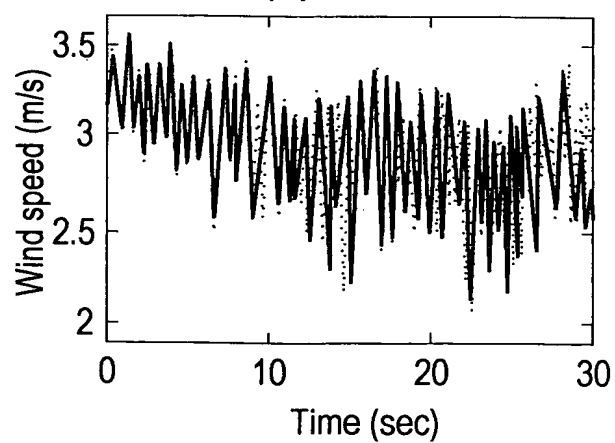


FIG. 5(i)

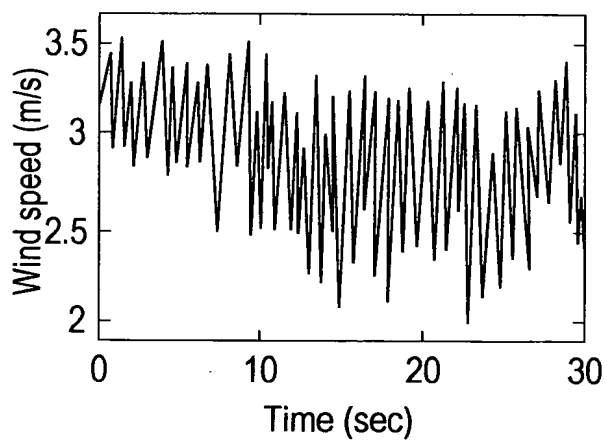


FIG. 5(j)

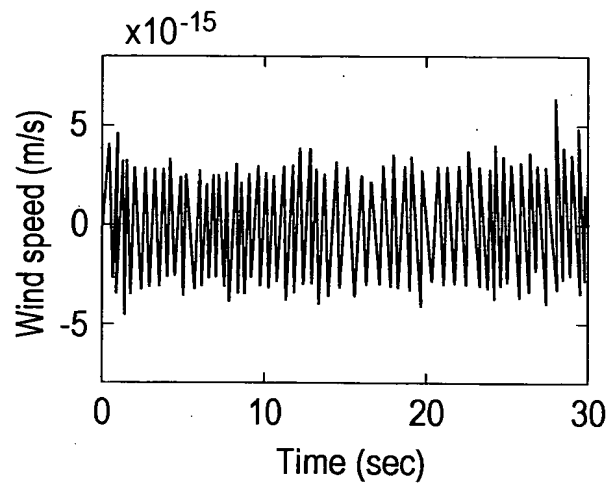
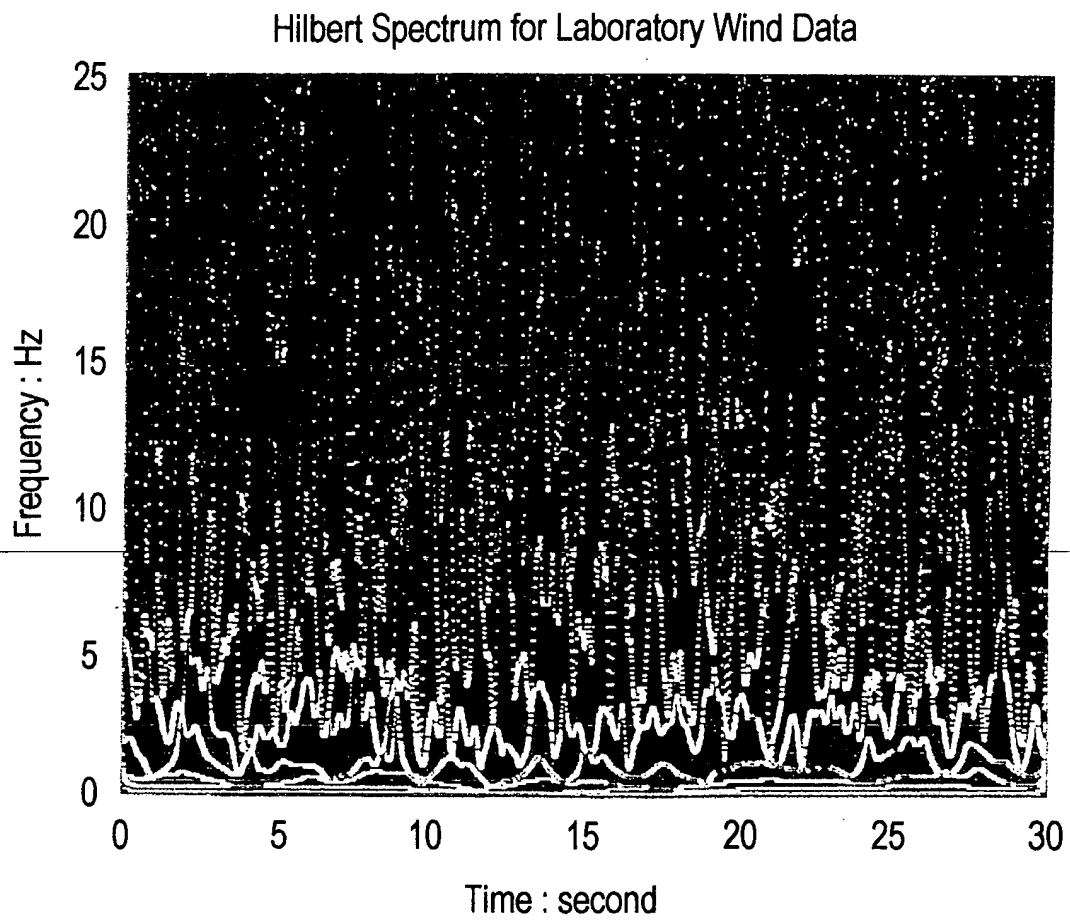


FIG. 6(a)



2025-09-10 14:55:00

FIG. 6(b)

Wavelet Spectrum for Laboratory Wind Data

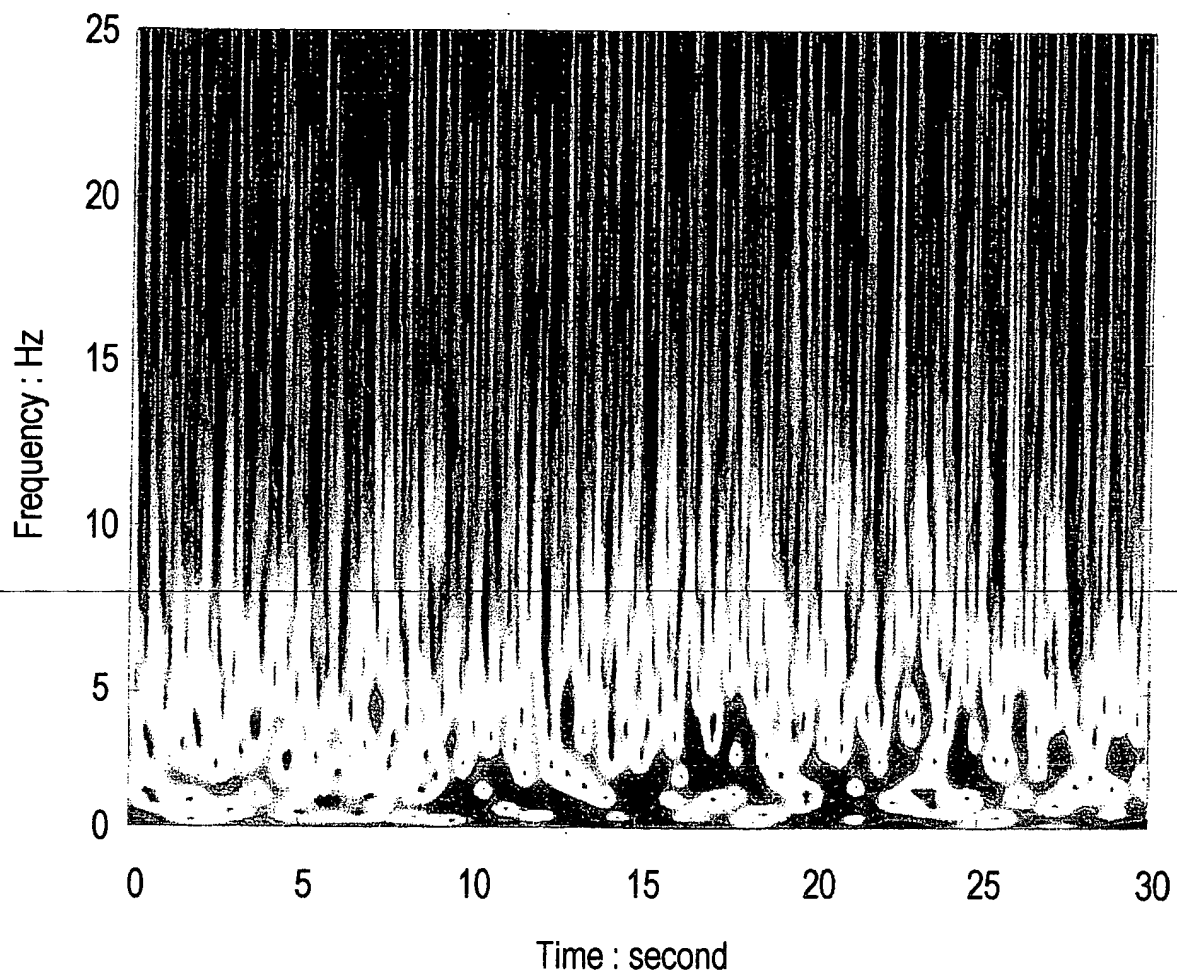


FIG. 6(c)

Hilbert Spectrum for Laboratory Wind Data : 15x15 Smoothed

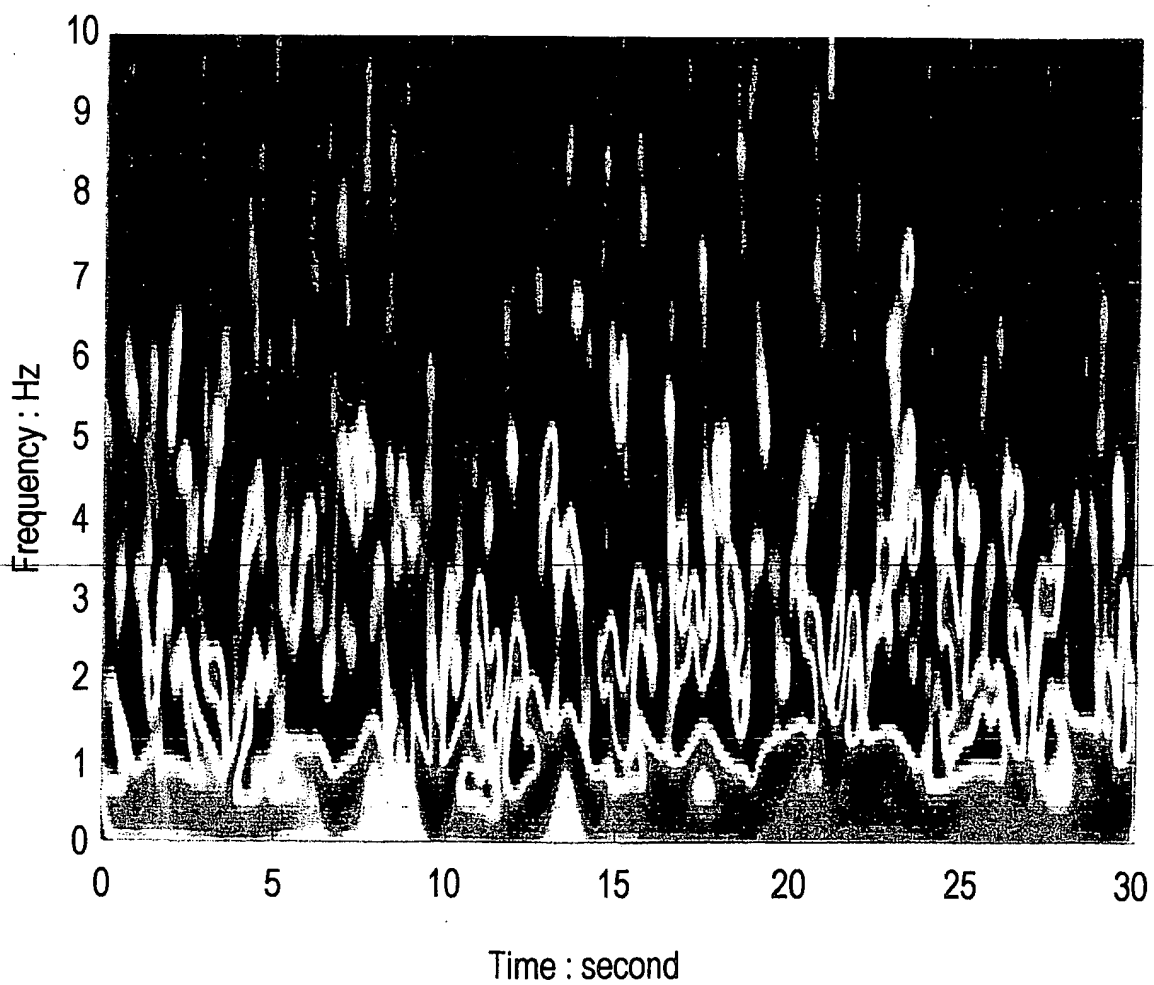


FIG. 7

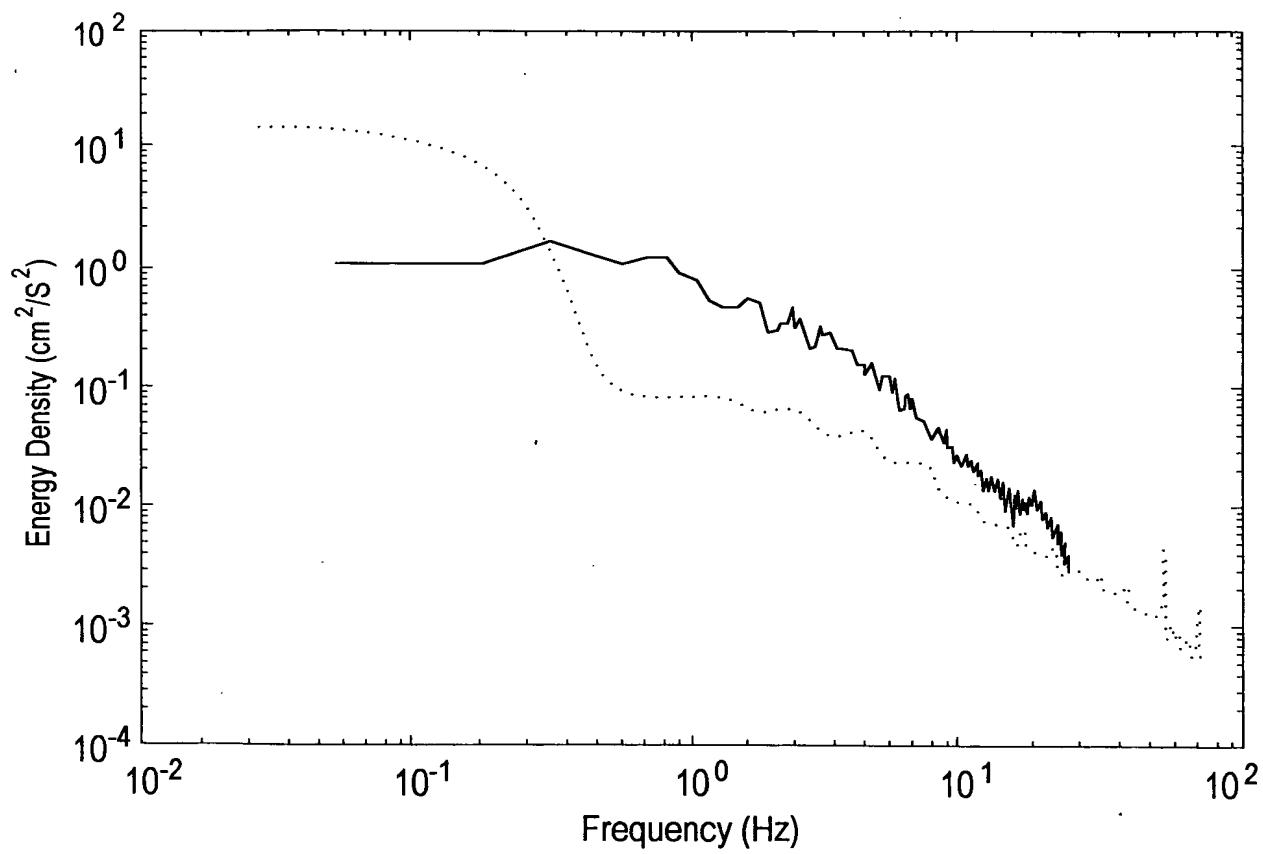


FIG. 8(a)

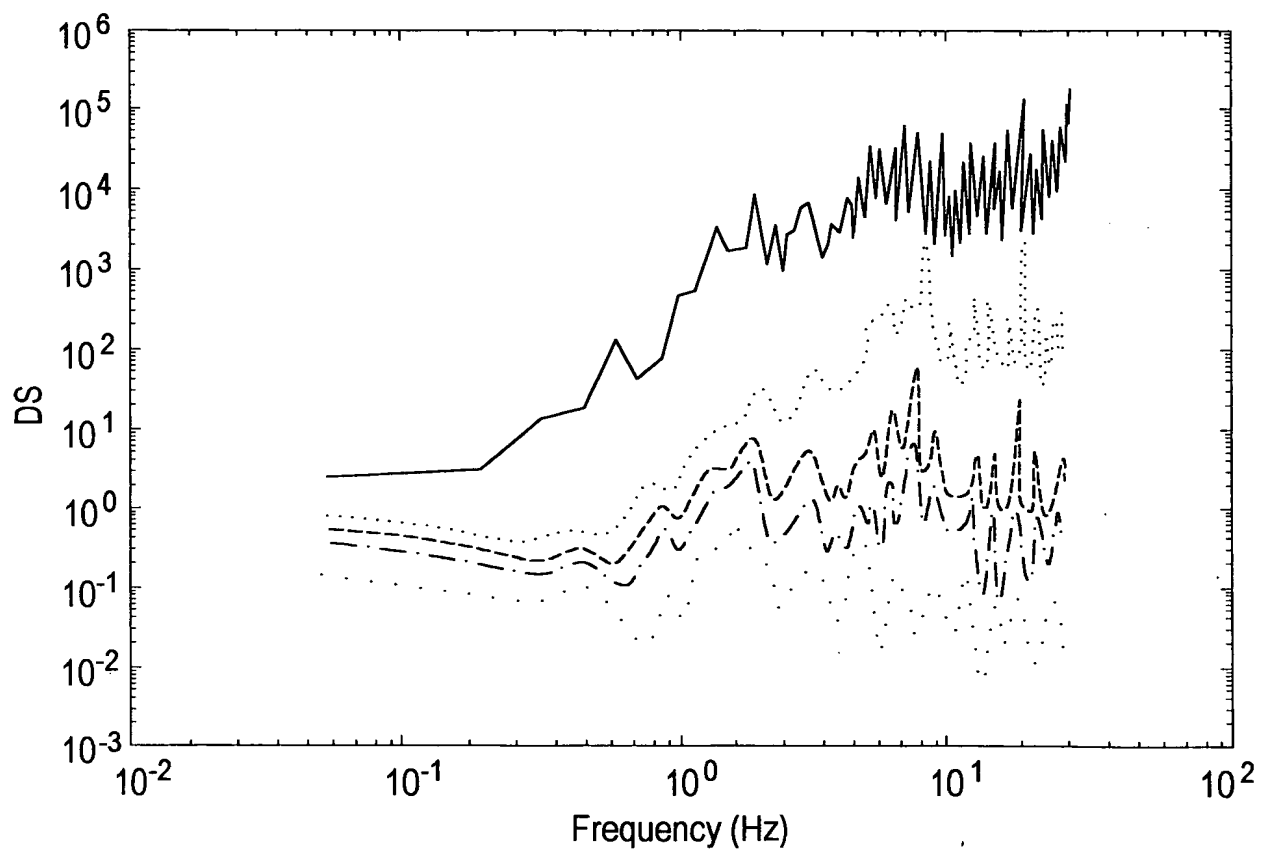


FIG. 8(b)

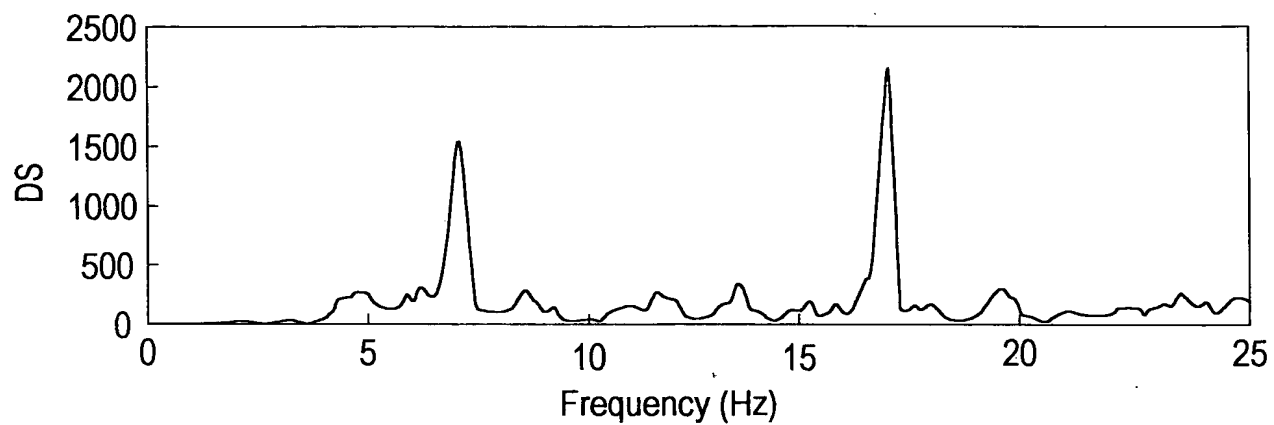
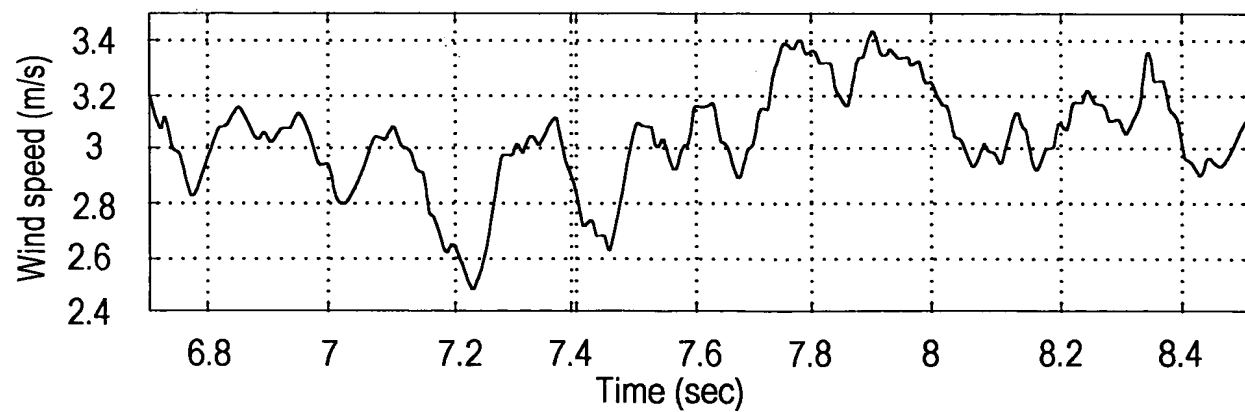


FIG. 8(c)



PULMONARY ARTERIAL PRESSURE OF RAT (24 HR.)

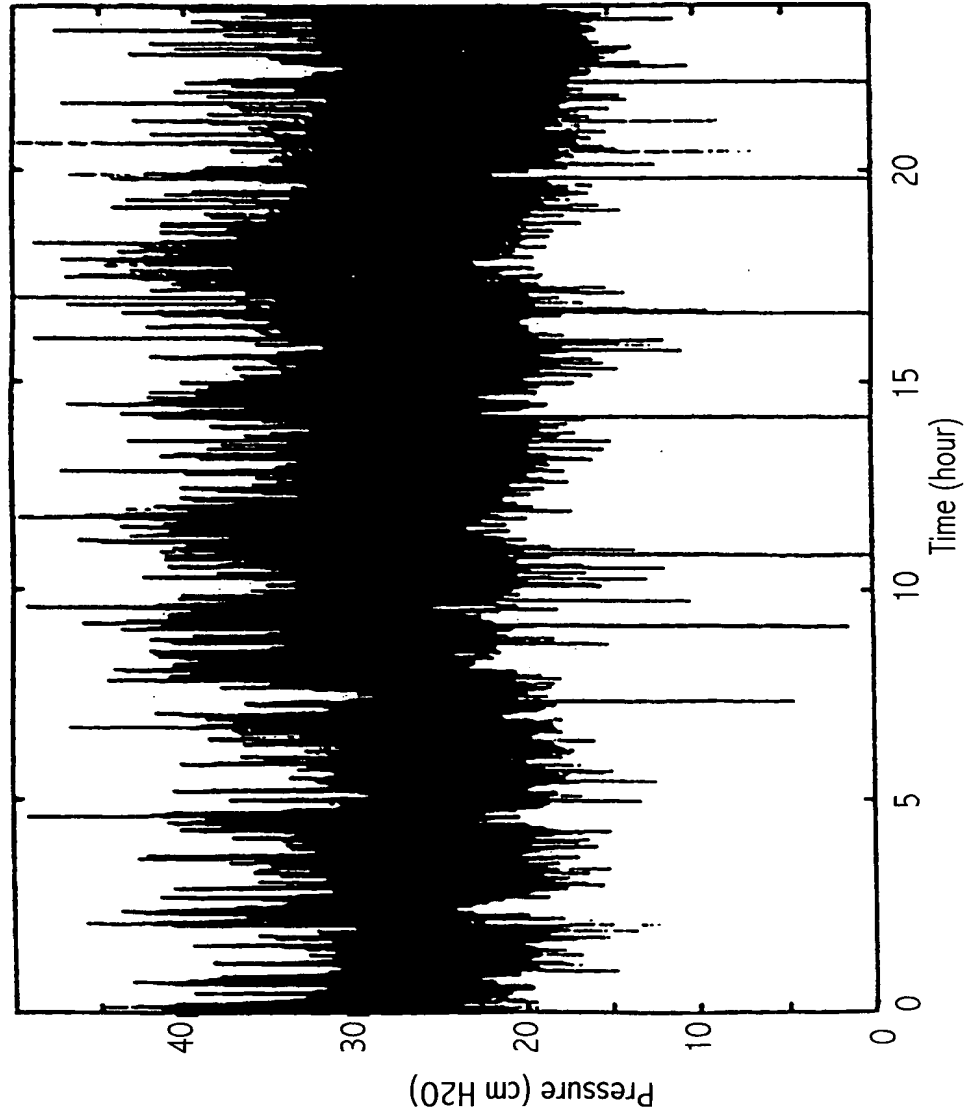


FIG. 9(a)

ONE HOUR STRIP

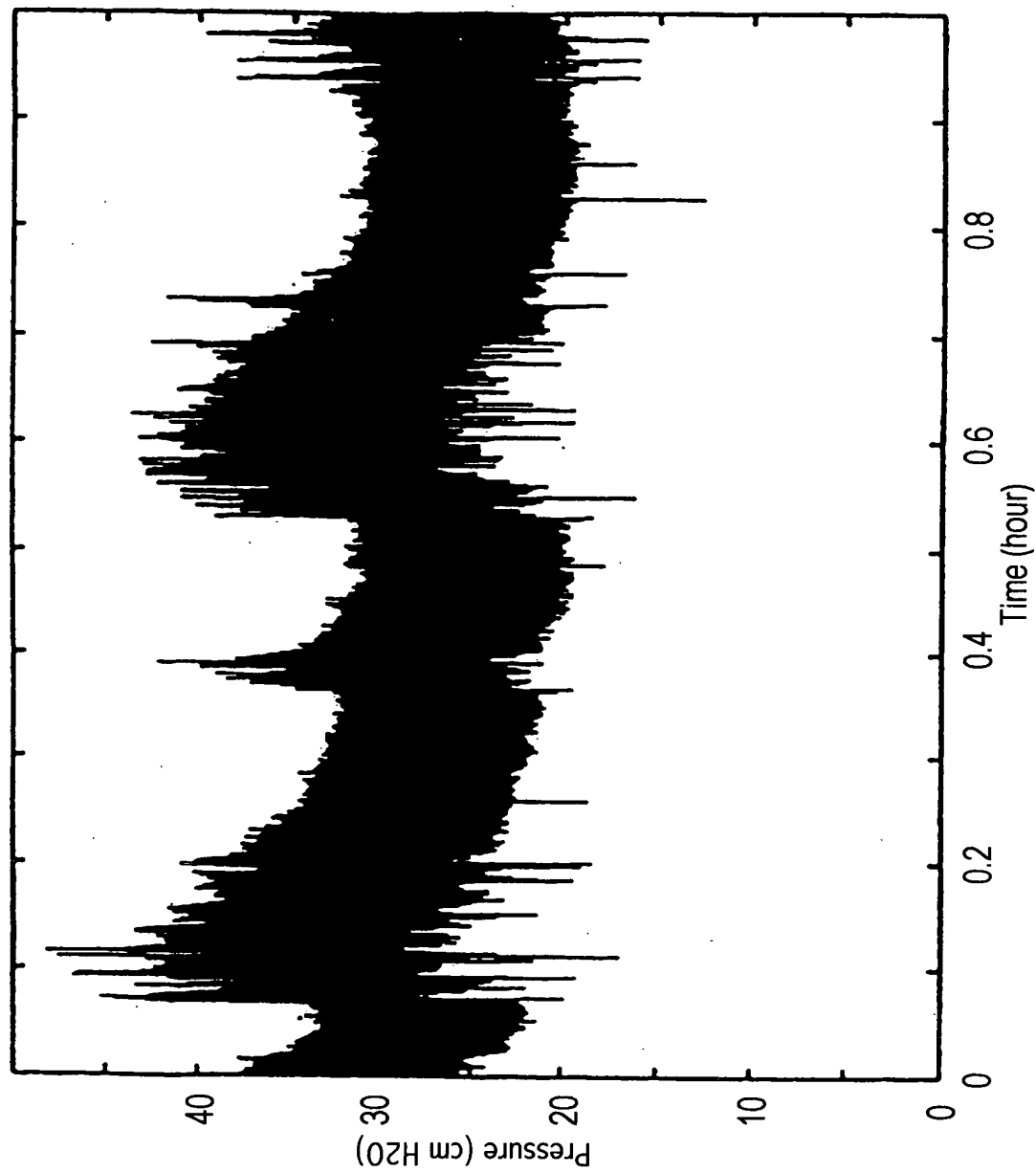


FIG. 9(b)

FIG. 9(c)

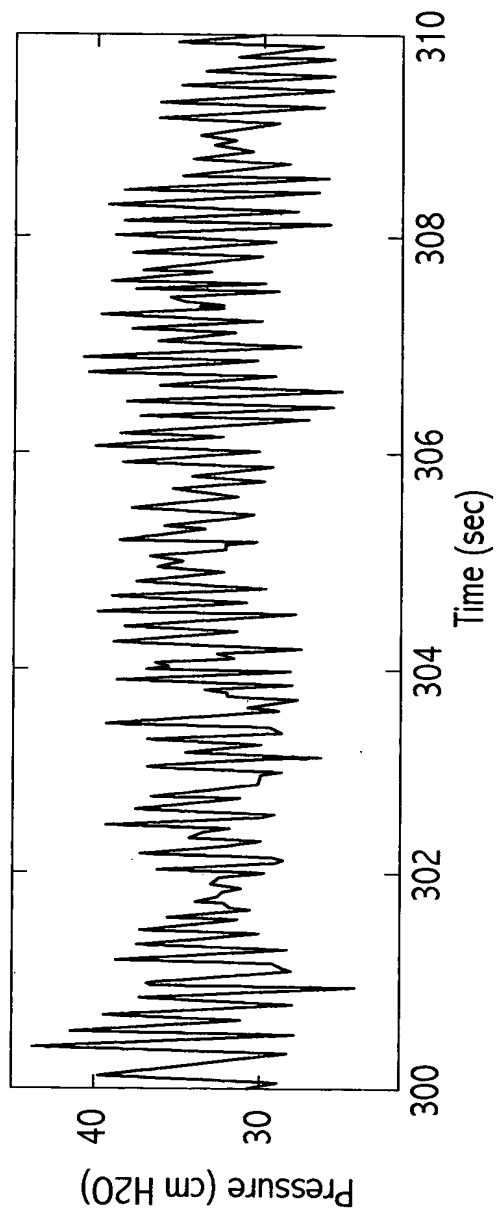


FIG. 9(d)

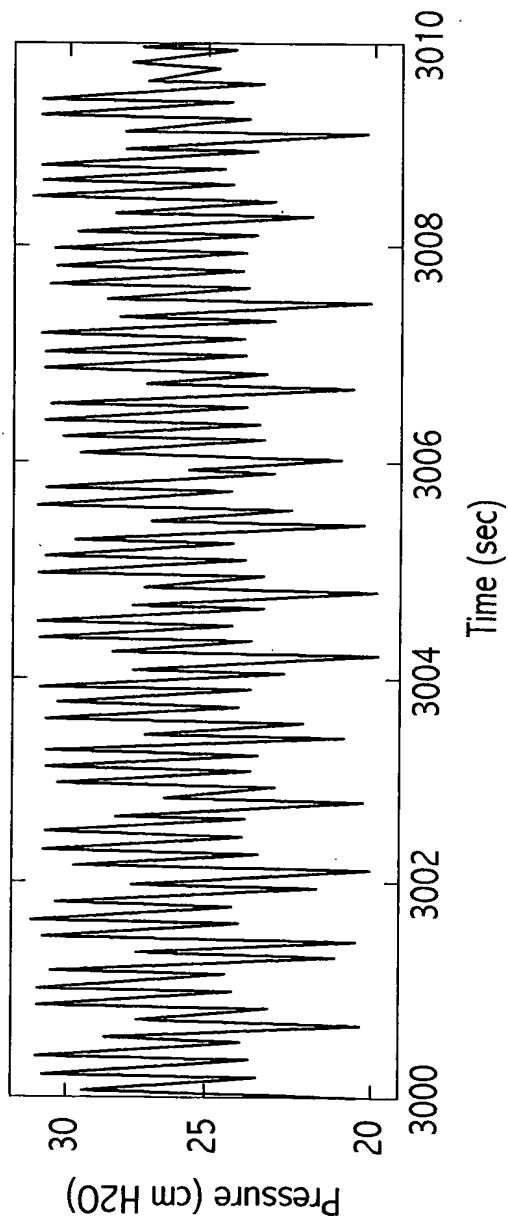


FIG. 9(e)

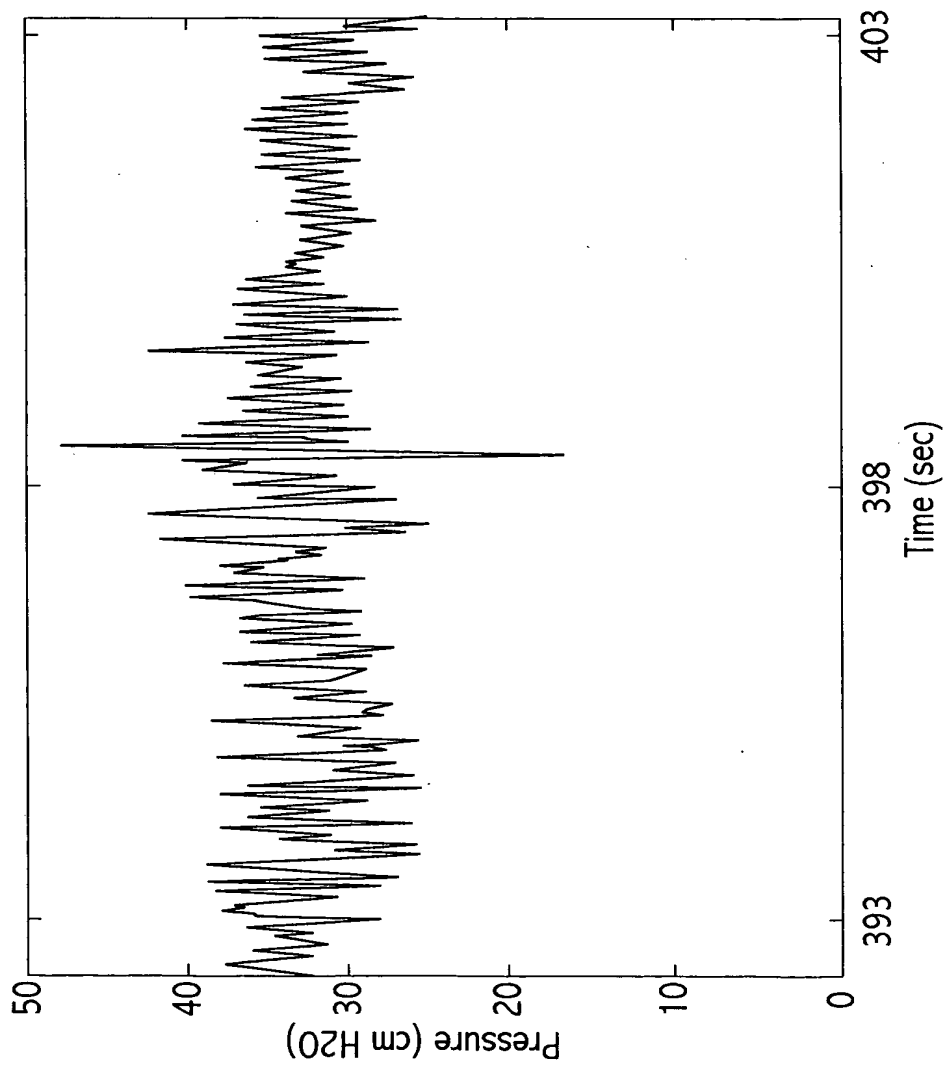


FIG. 9(f)

SYSTOLIC PRESSURES IN 1 HR.

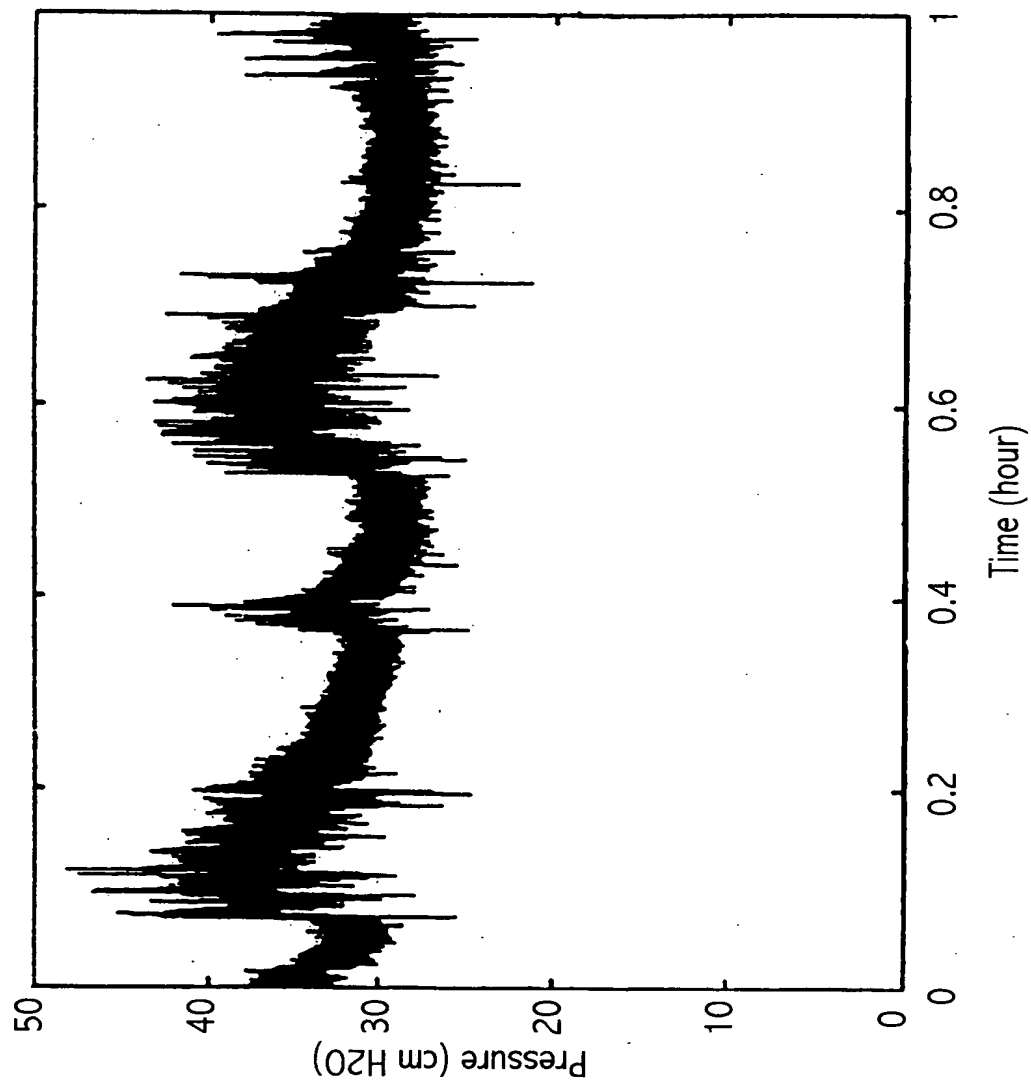
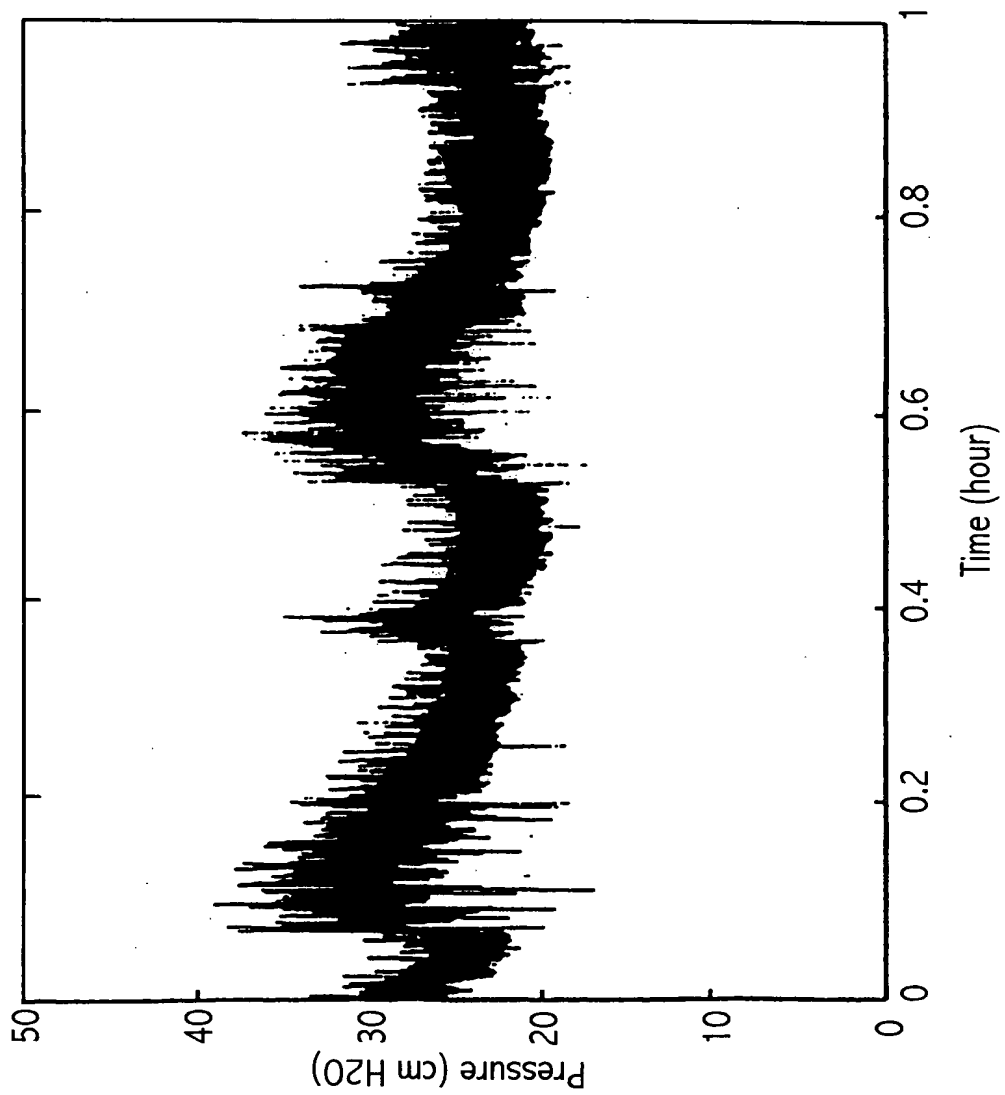


FIG. 9(g)

DIASTOLIC PRESSURES IN 1 HR.



FOURIER SPECTRUM OF TWO 10-SEC STRIPS

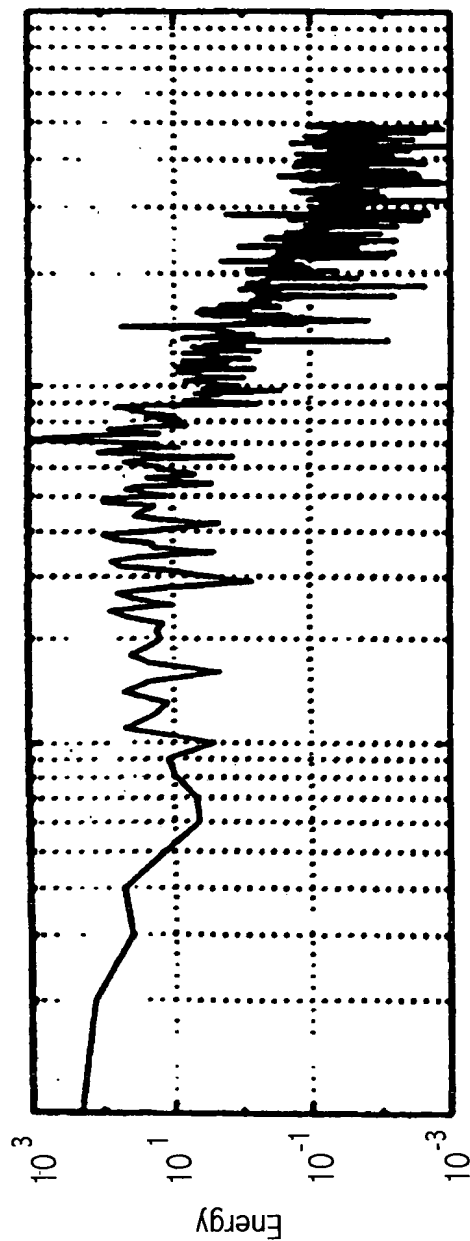


FIG. 10(b)

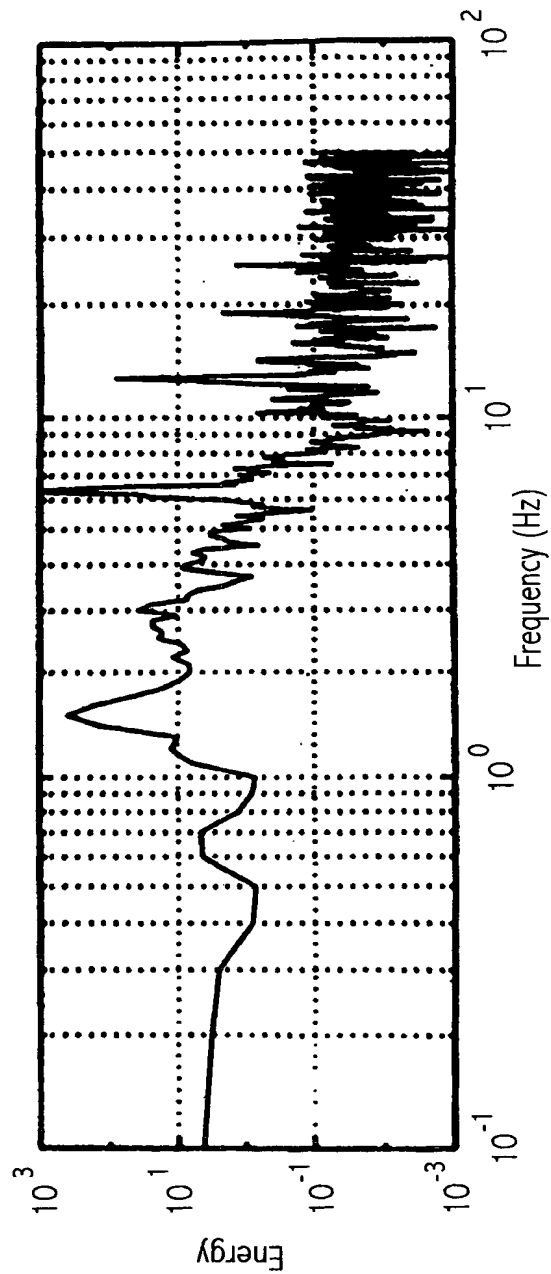


FIG. 10(c)

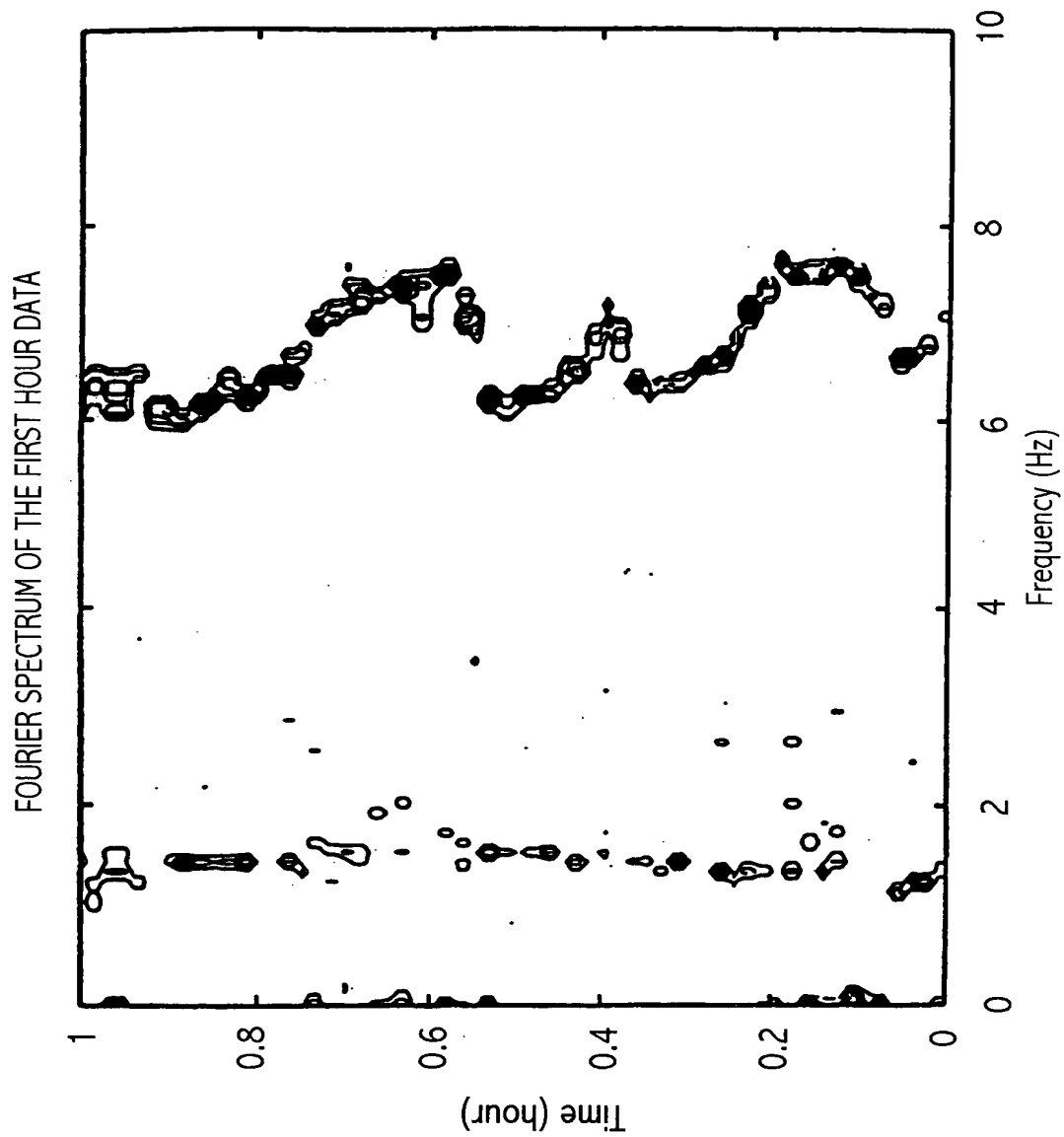
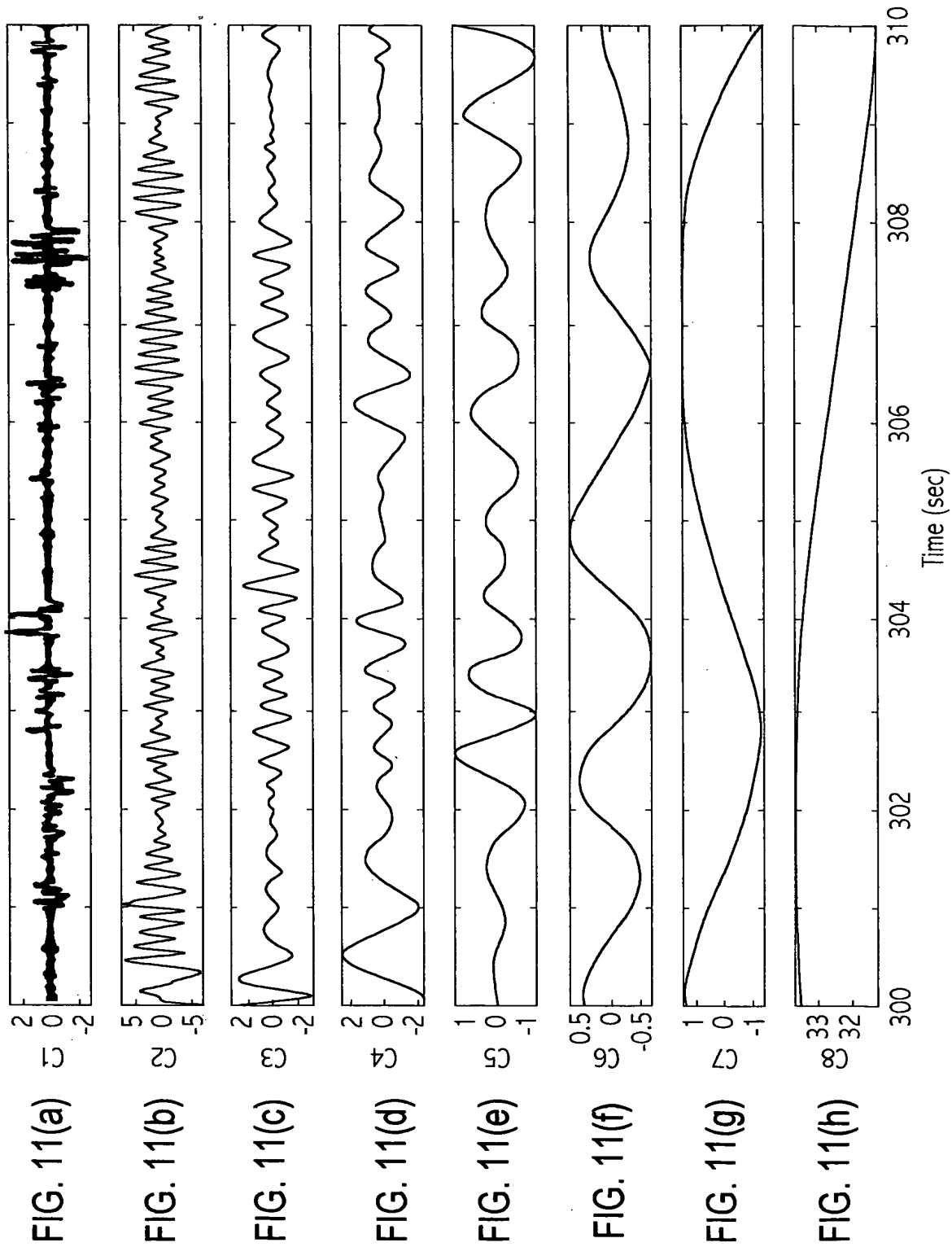


FIG. 10(d)

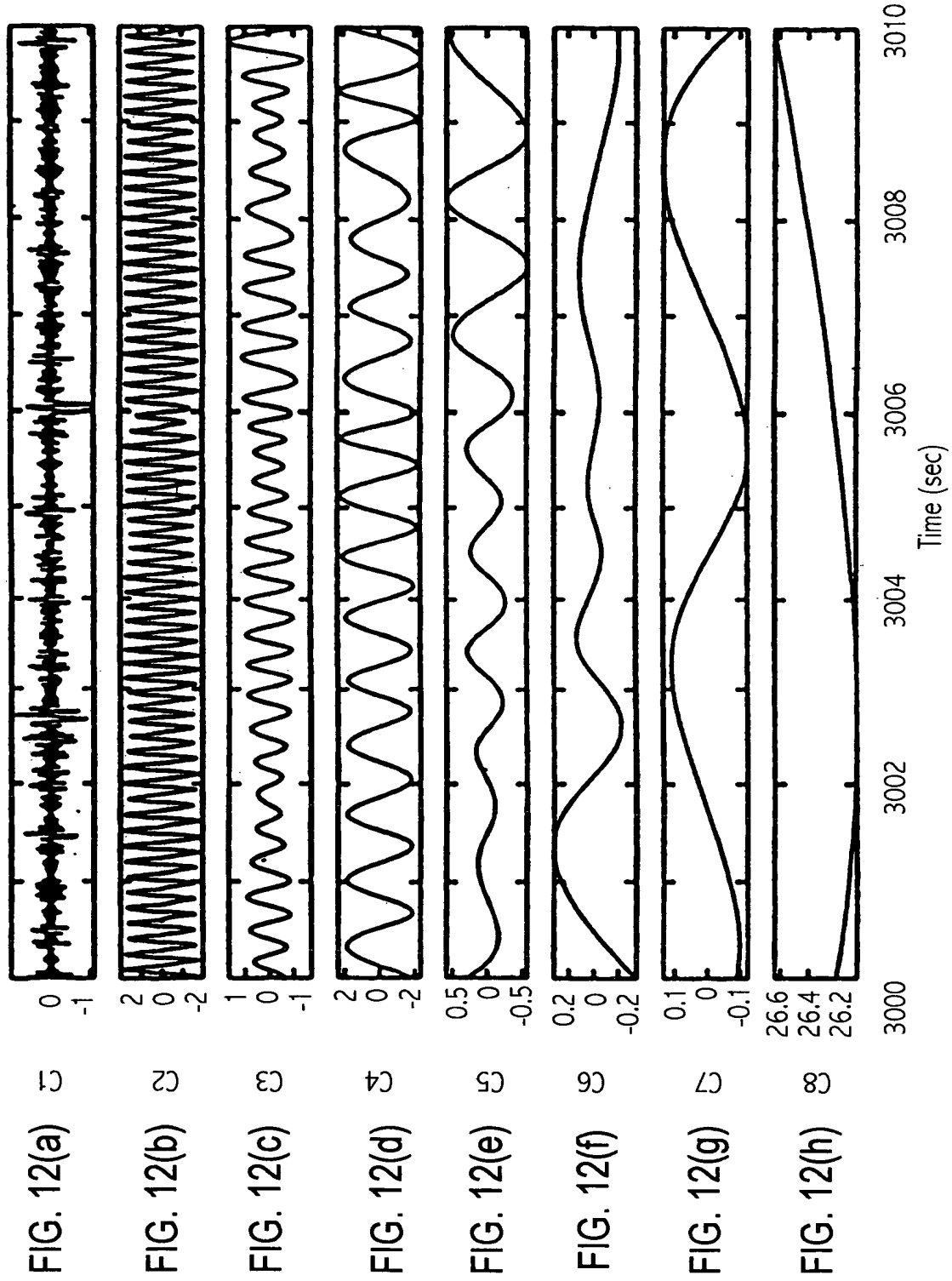
--	--

FIG. 10(e)

IMF-COMPONENTS OF THE FIRST 10-SEC. STRIP



IMF-COMPONENTS OF THE SECOND 10-SEC. STRIP



1000 900 800 700 600 500 400 300 200 100 0

UPPER PANEL: C1+C2+C3; LOWER PANEL: C2+C3+C4

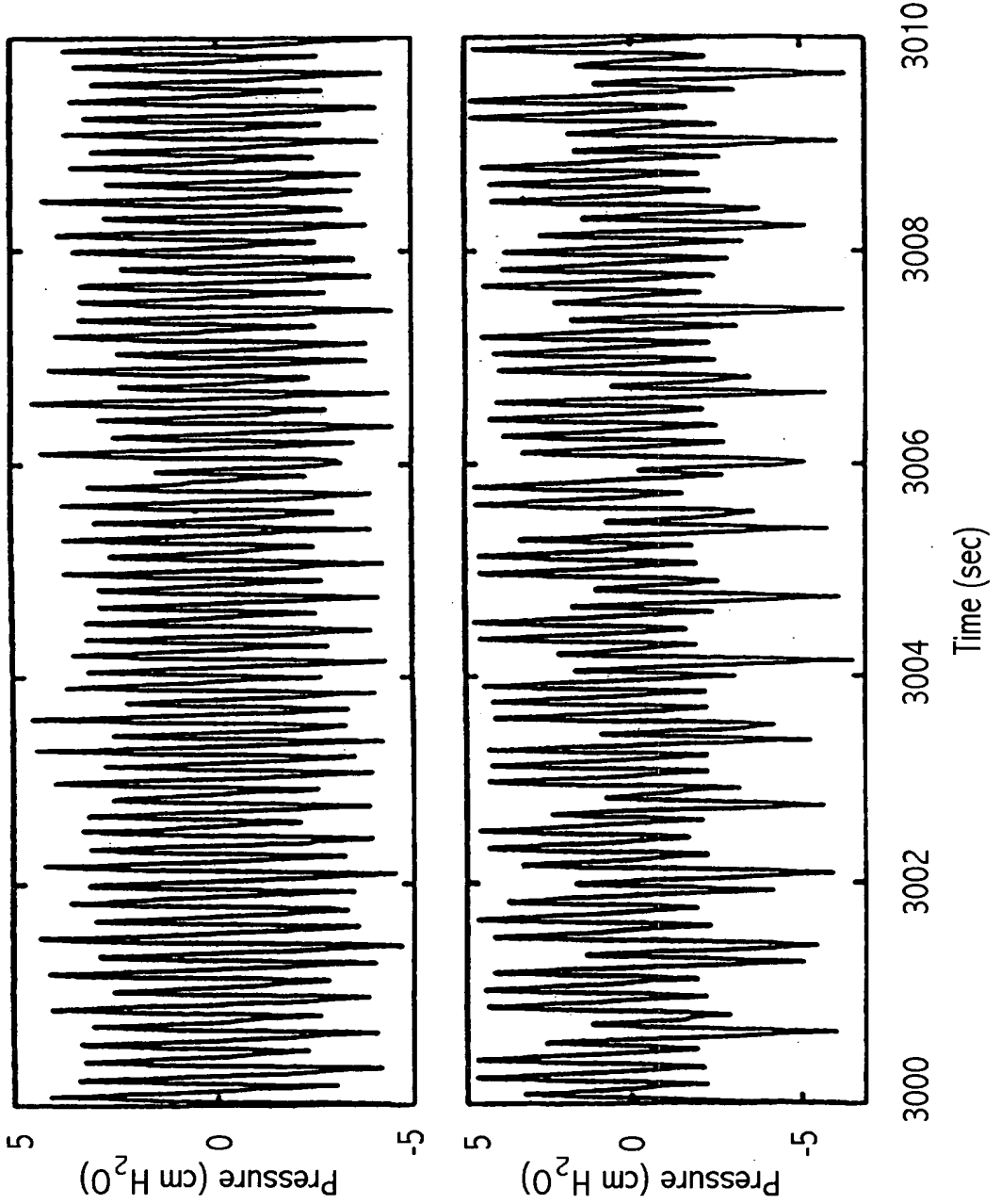


FIG. 13(a)

FIG. 13(b)

└──

FIG. 13(c)



FIG. 15(h)

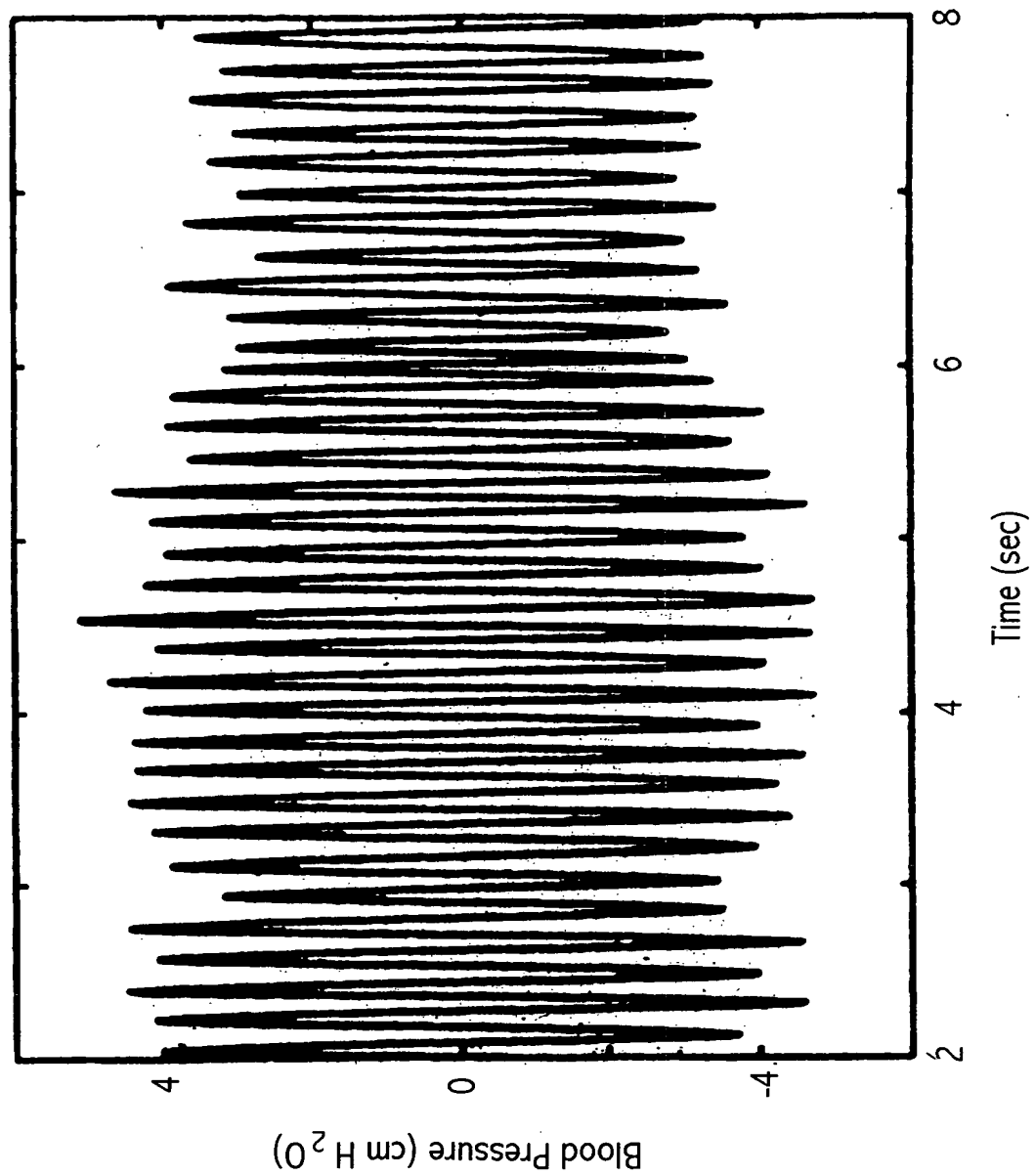


FIG. 16(g)

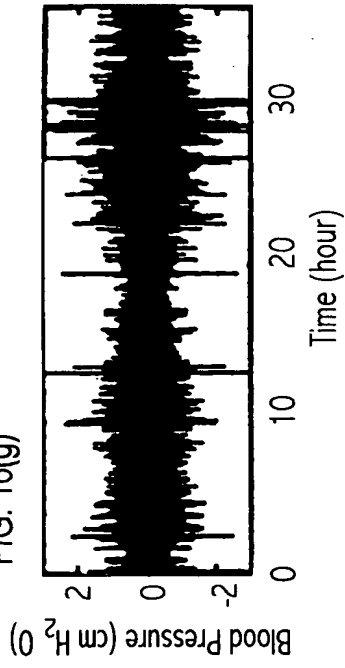


FIG. 16(h)

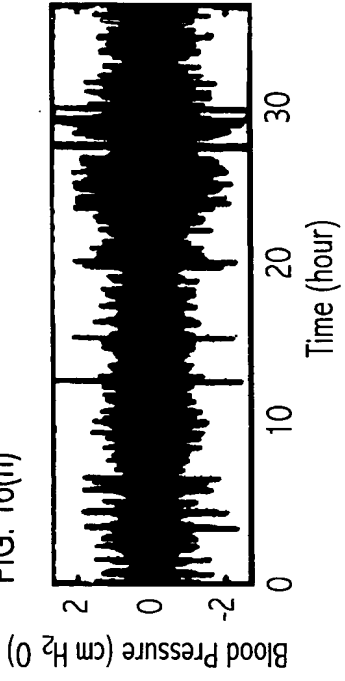


FIG. 16(i)

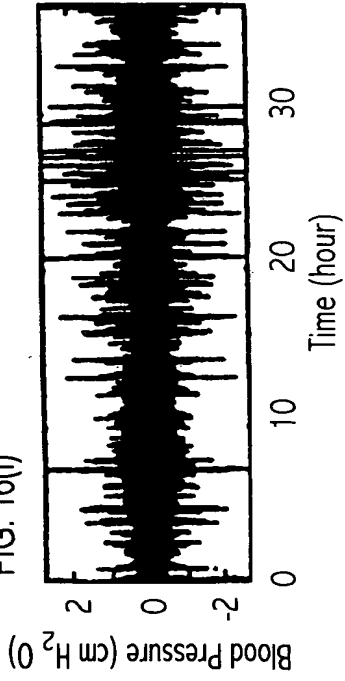


FIG. 16(j)

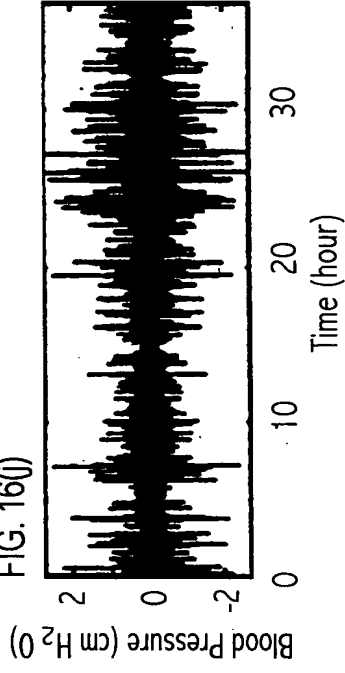


FIG. 16(k)

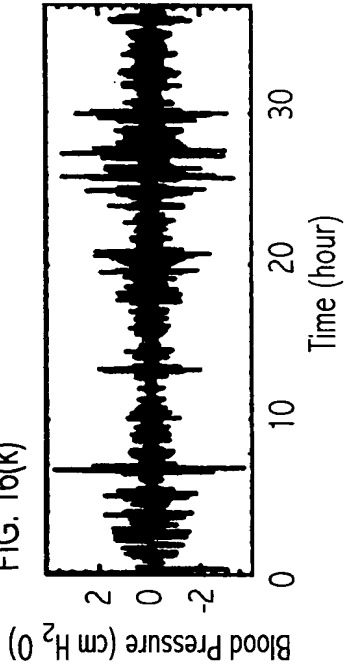


FIG. 16(l)

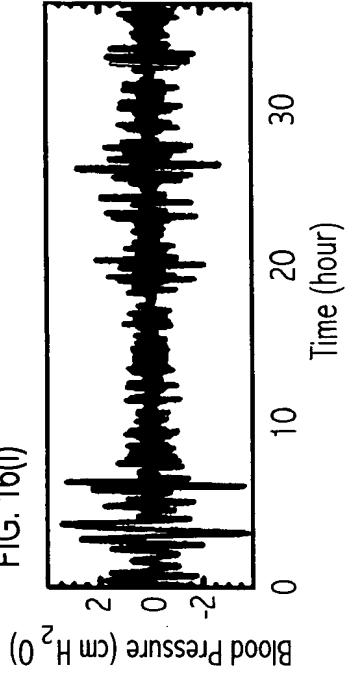


FIG. 18(a)

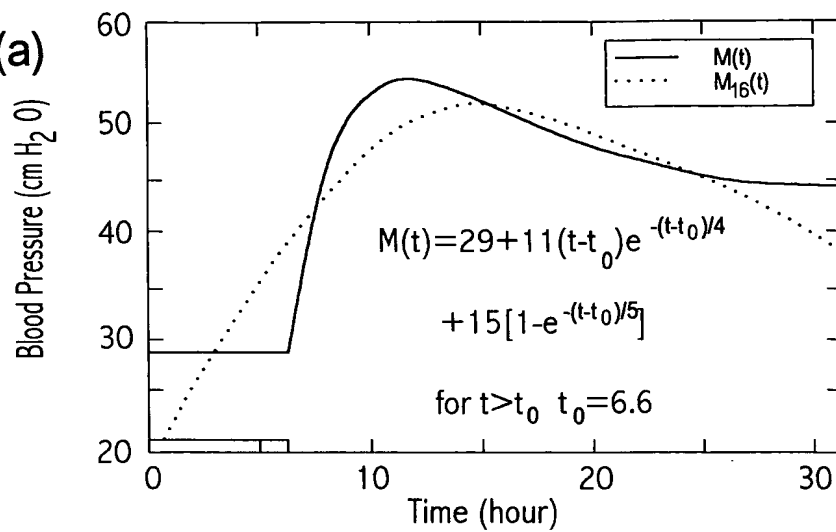


FIG. 18(b)

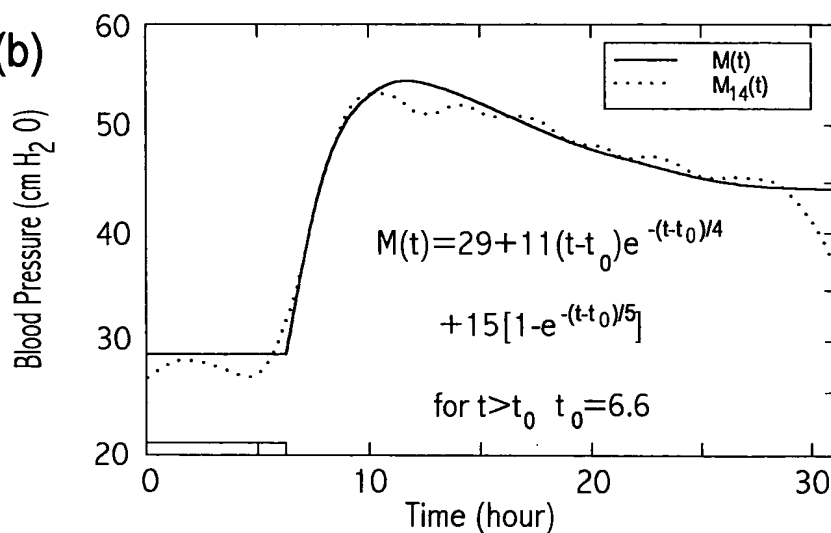


FIG. 18(c)

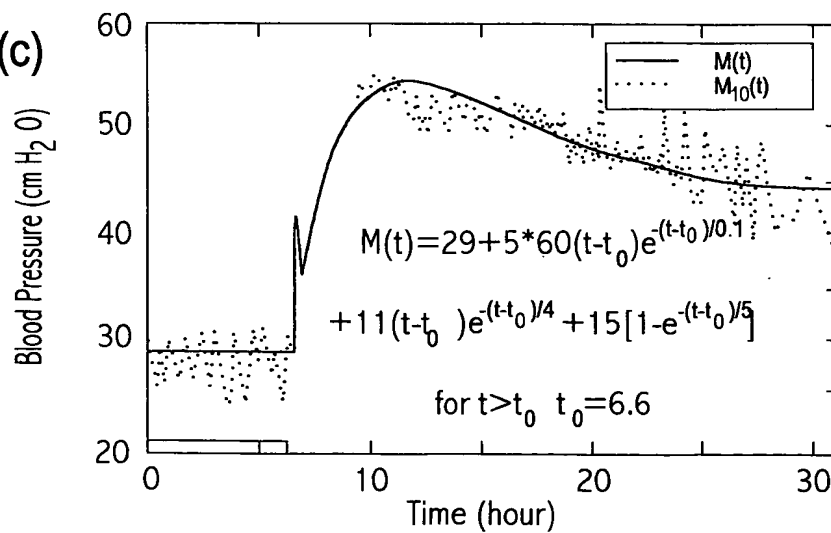


FIG. 19(a)

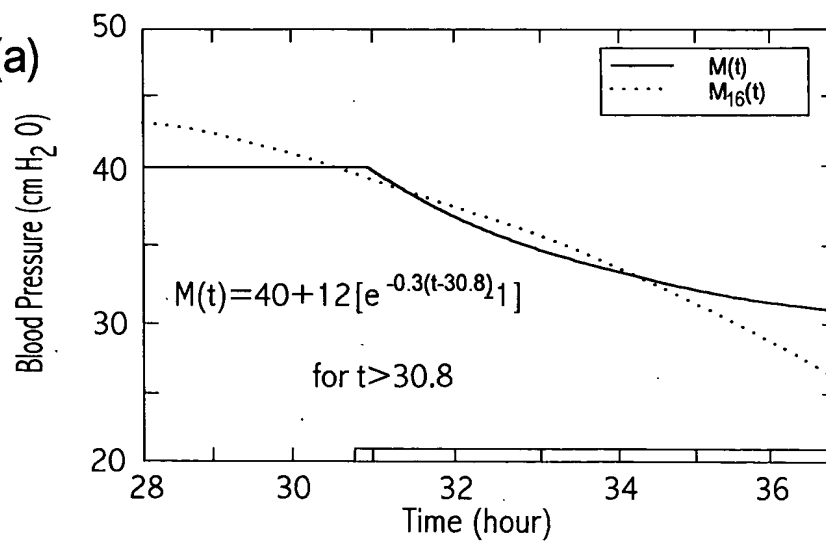


FIG. 19(b)

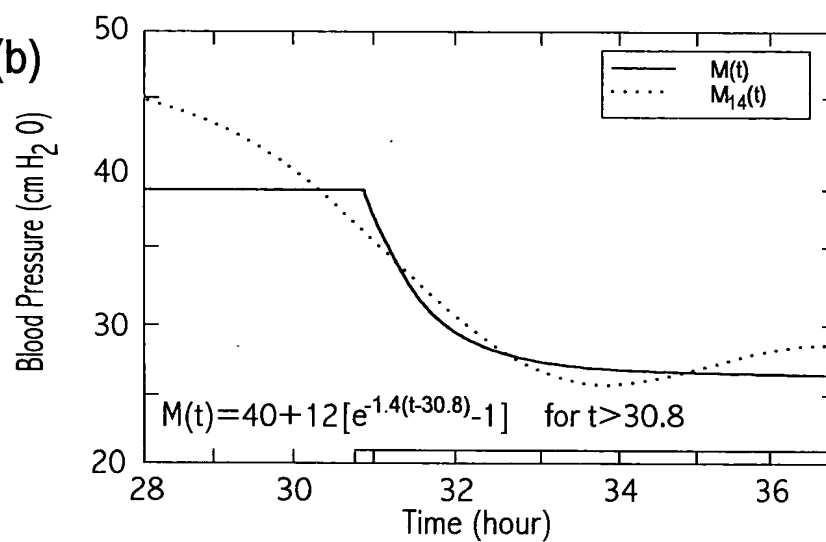


FIG. 19(c)

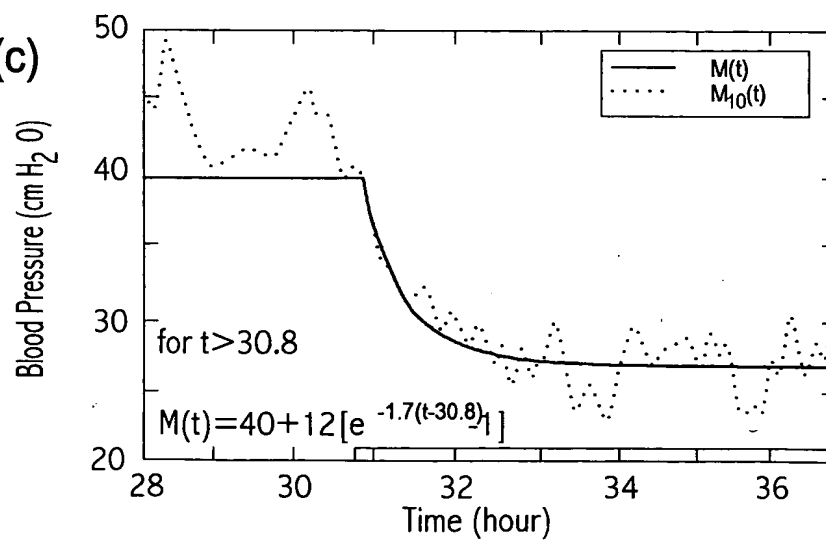


FIG. 16(m)

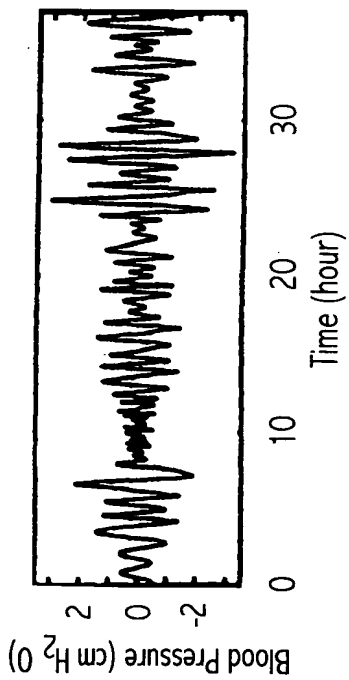


FIG. 16(n)

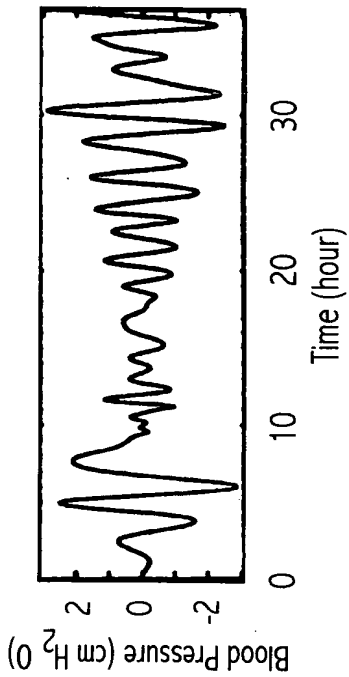


FIG. 16(o)

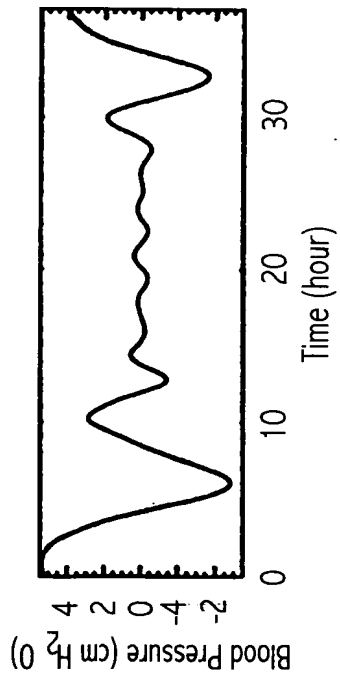


FIG. 16(p)

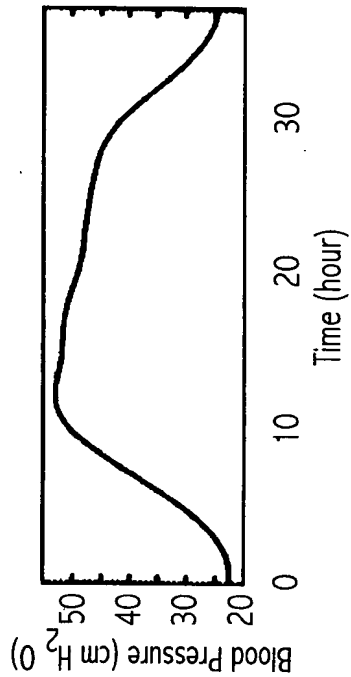
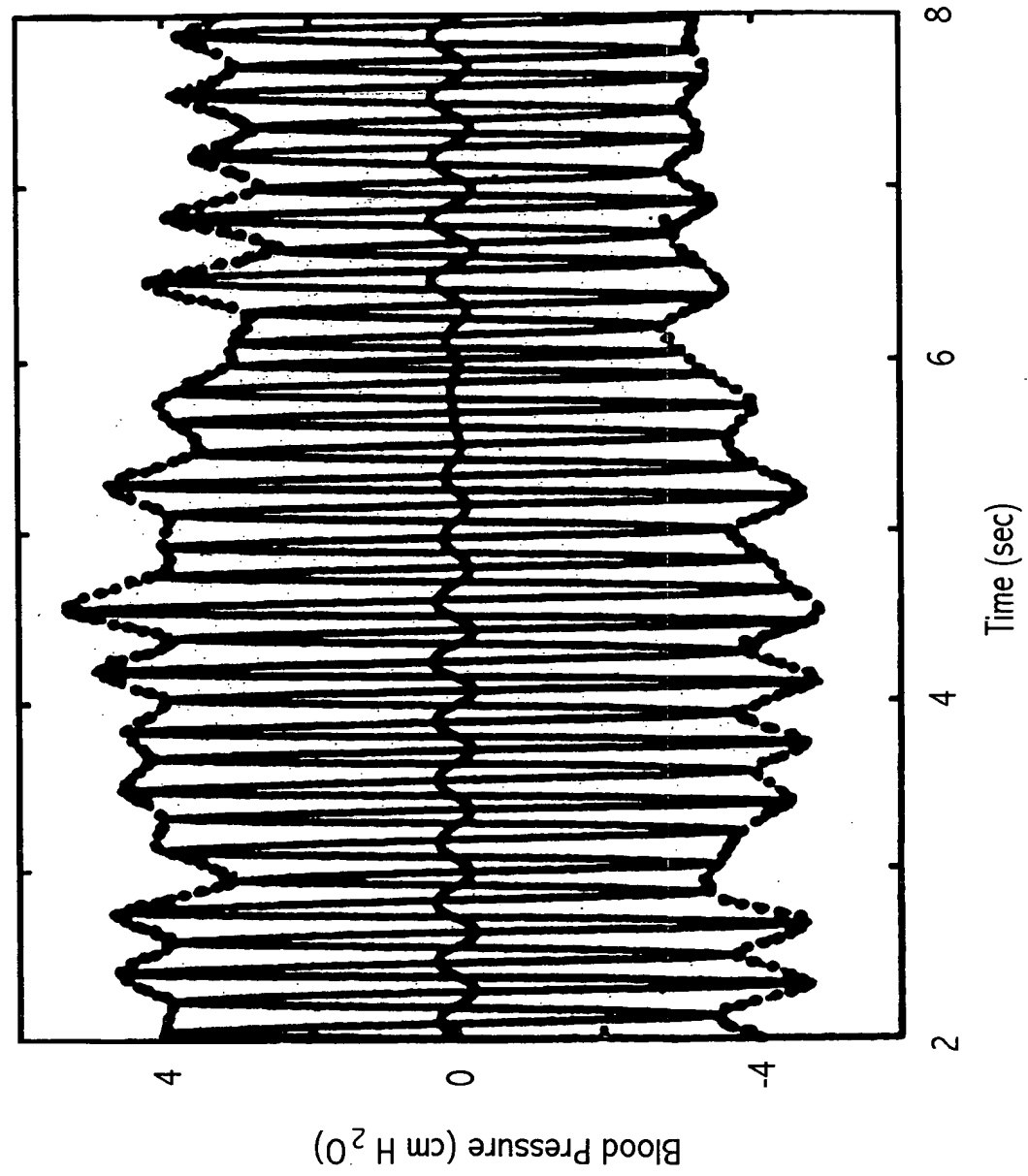


FIG. 15(g)



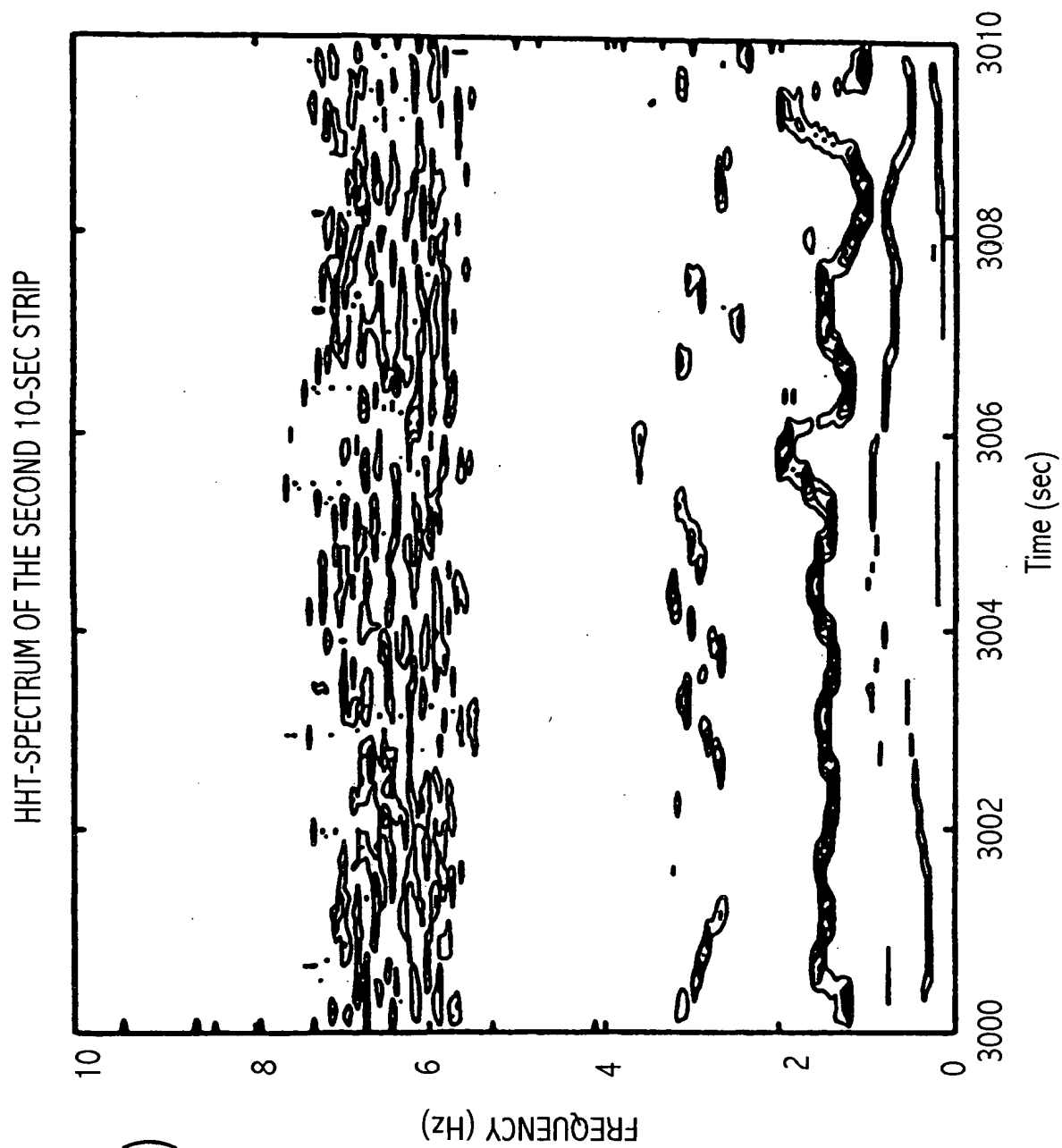


FIG. 14(a)

HHT-SPECTRUM OF THE FIRST 10-SEC STRIP

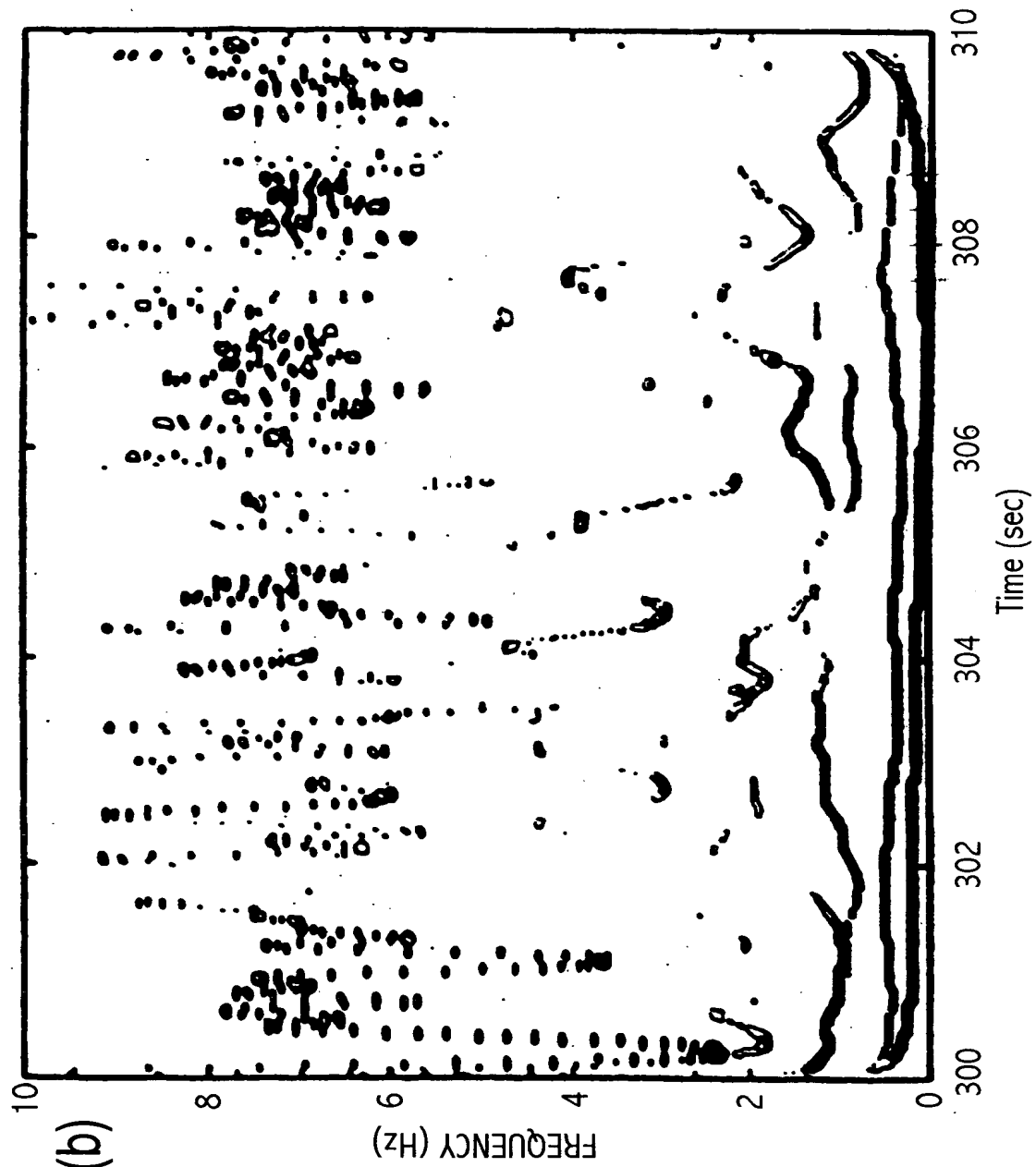


FIG. 14(b)

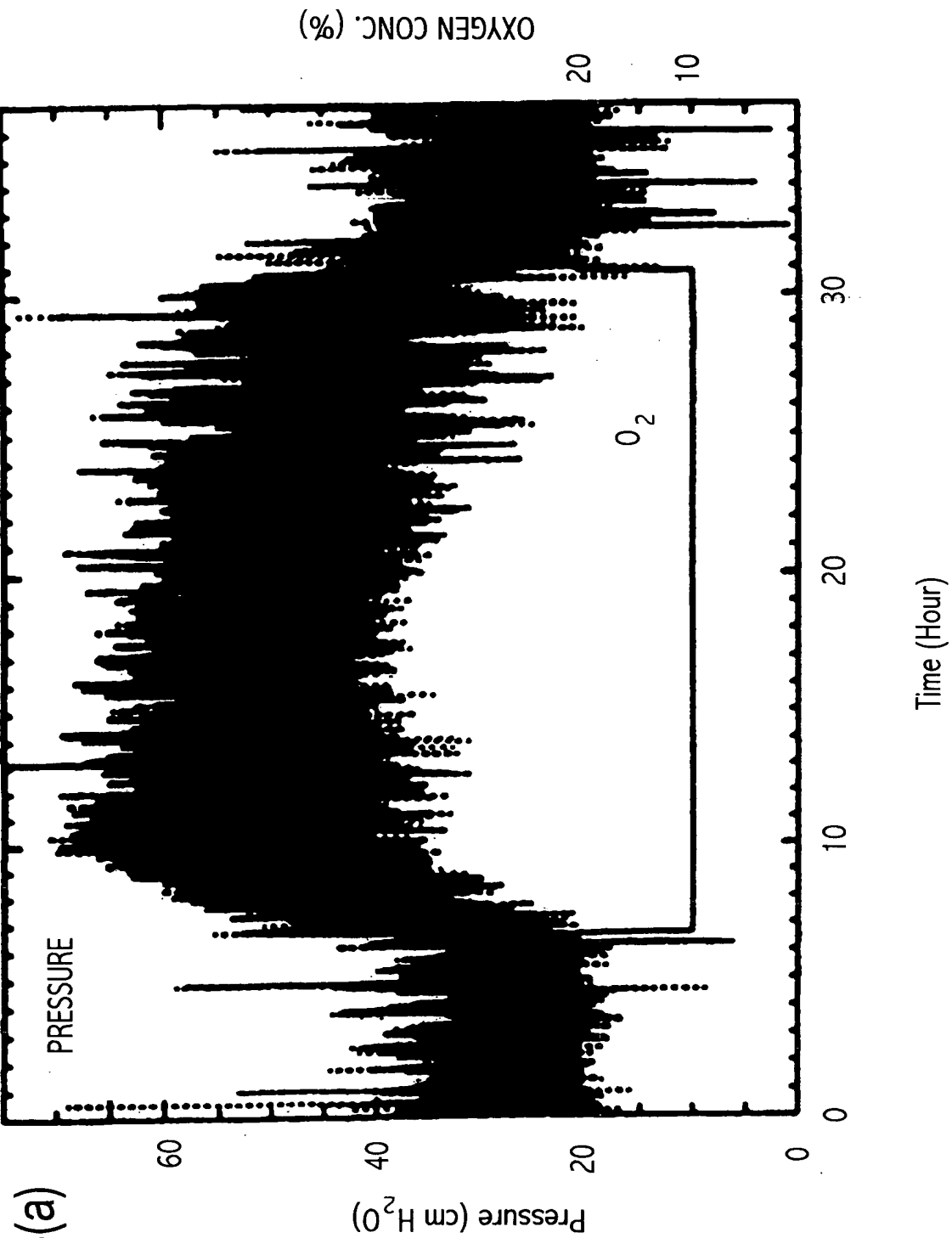


FIG. 15(a)

100 80 60 40 20 0 0 10 20 30 40 50 60 70 80 90 100

FIG. 15(b)

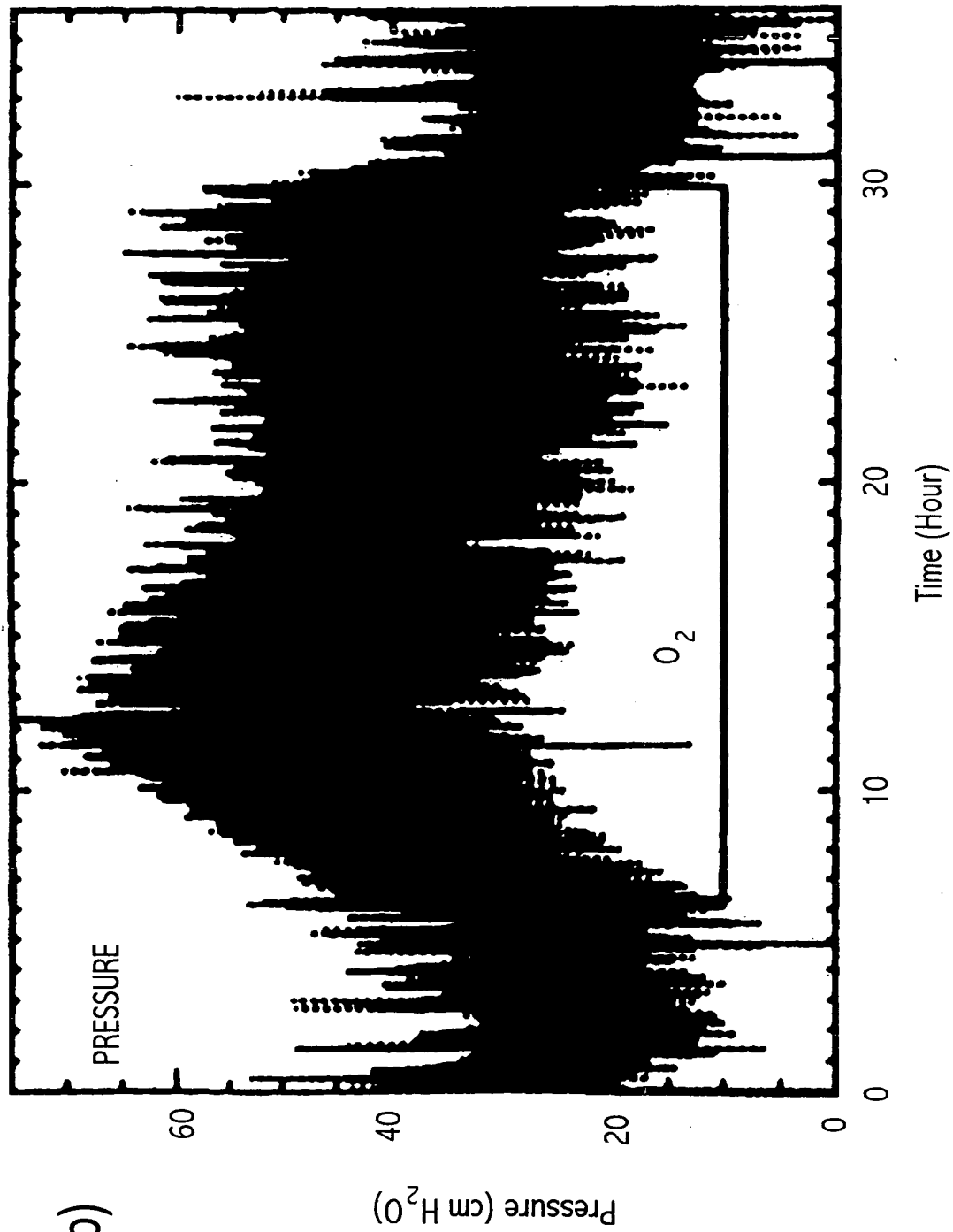
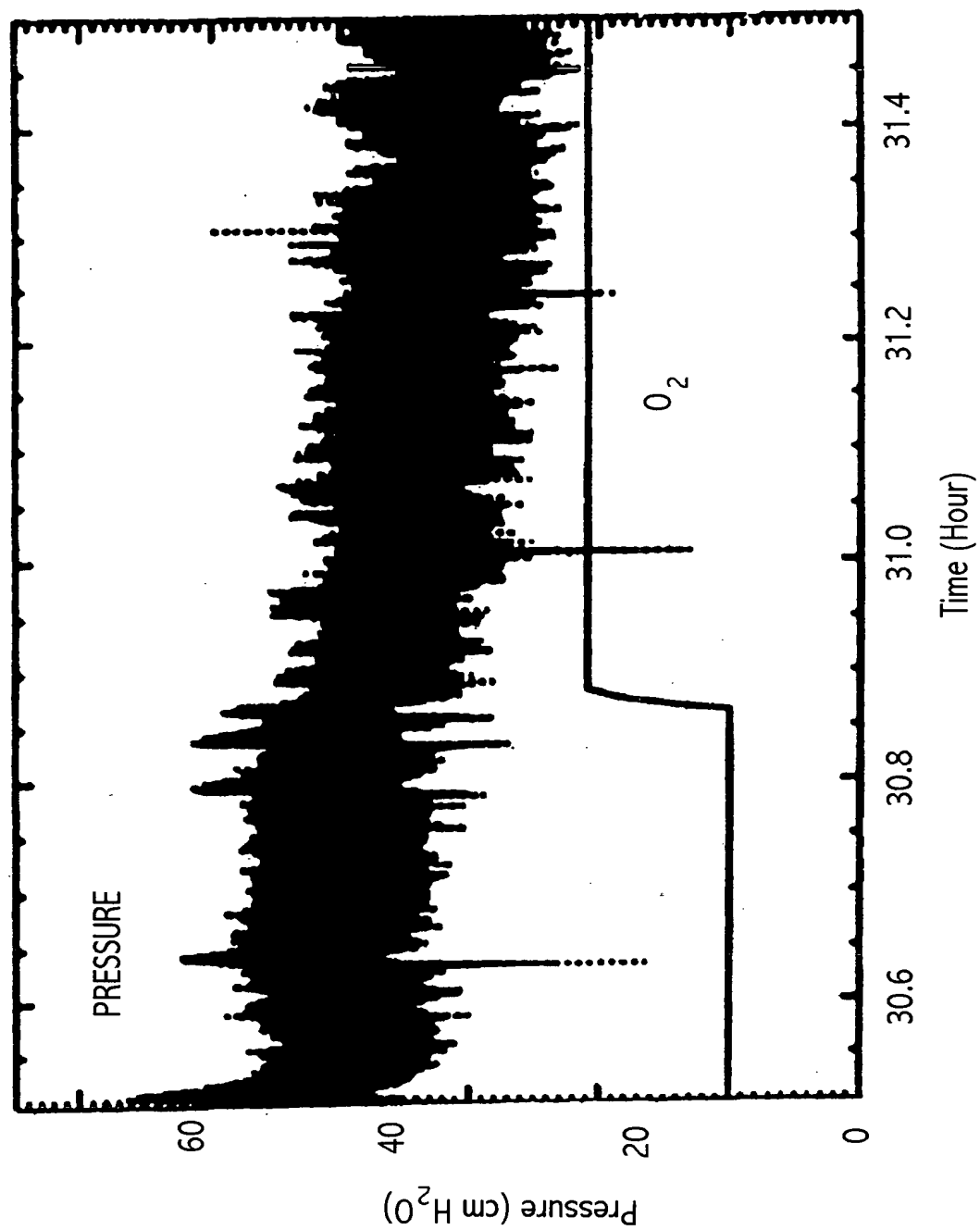
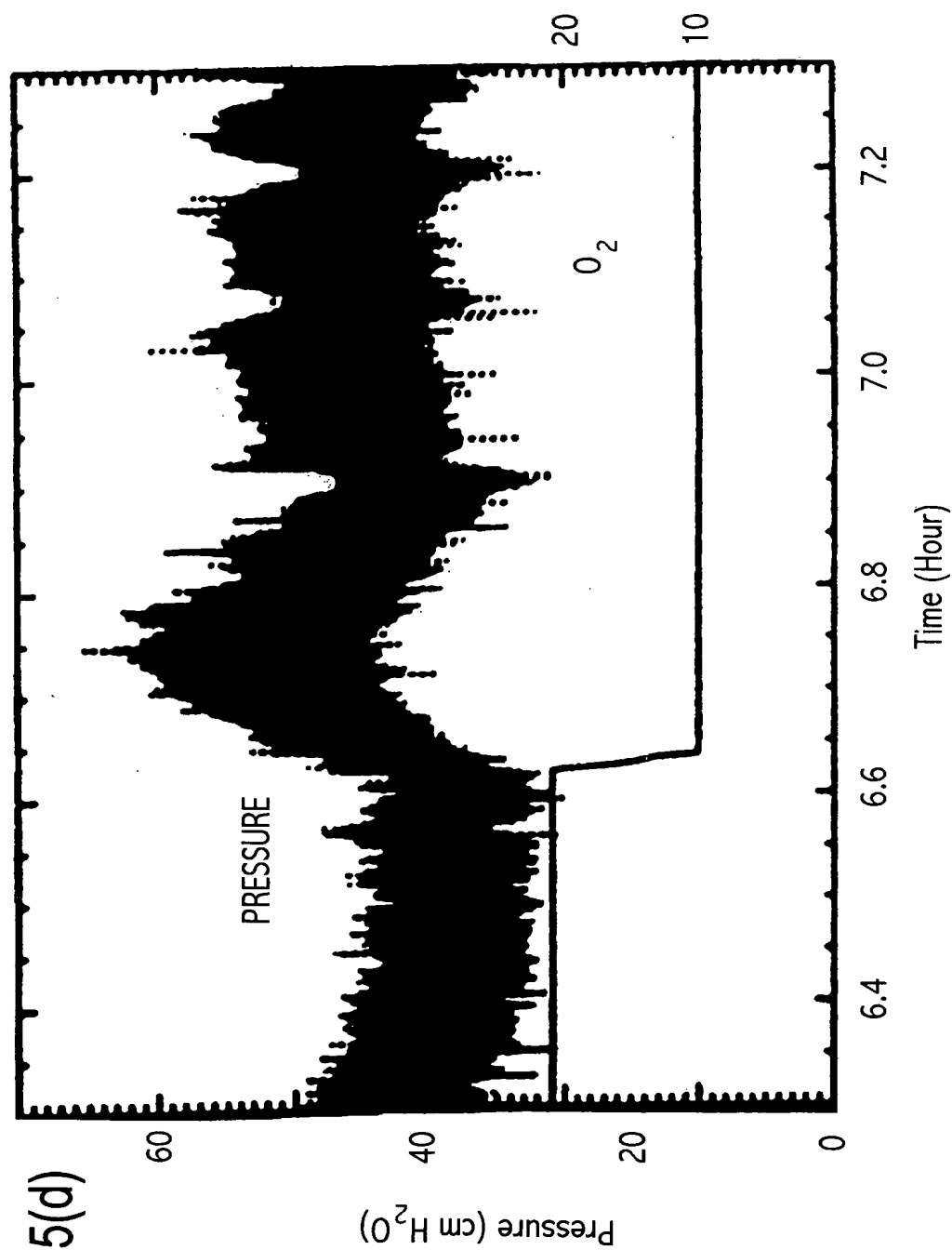
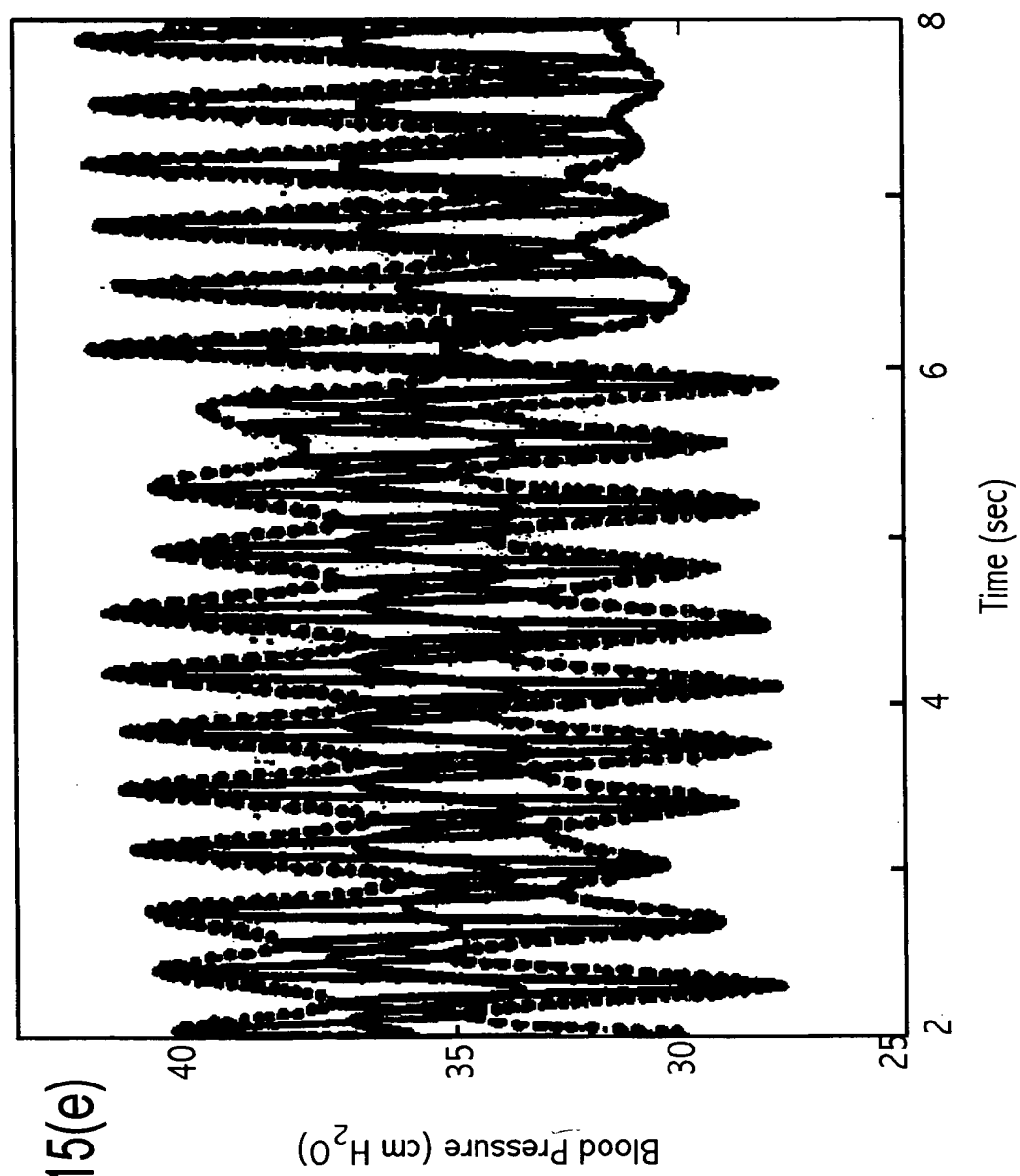


FIG. 15(c)







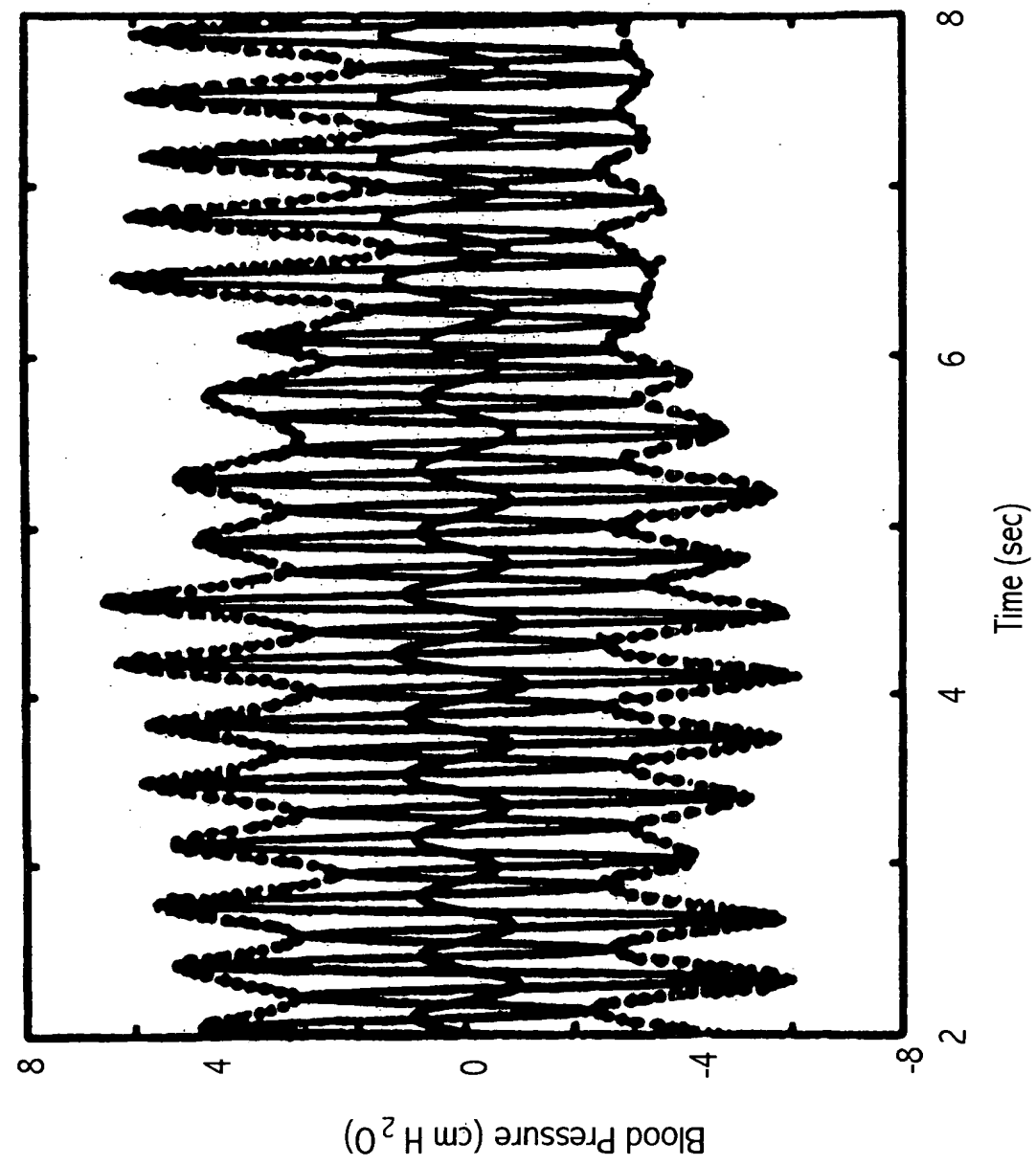


FIG. 16(a)

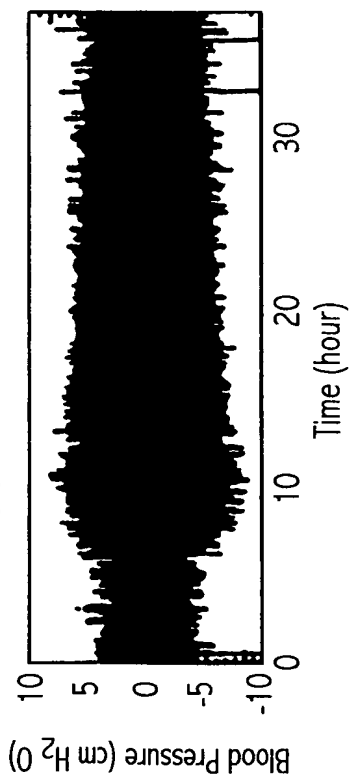


FIG. 16(b)

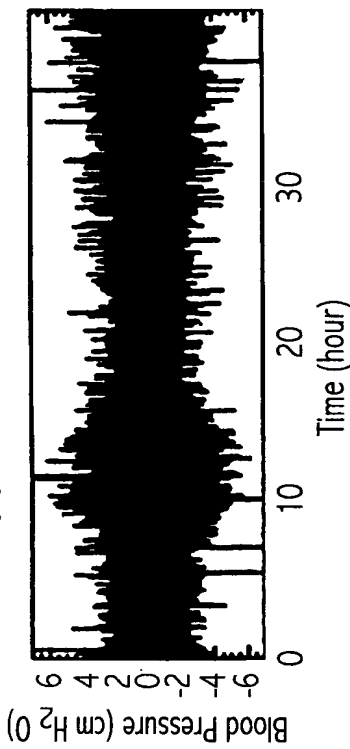


FIG. 16(c)

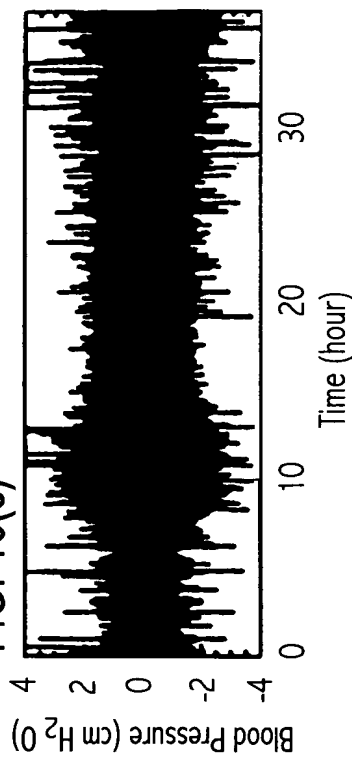


FIG. 16(d)

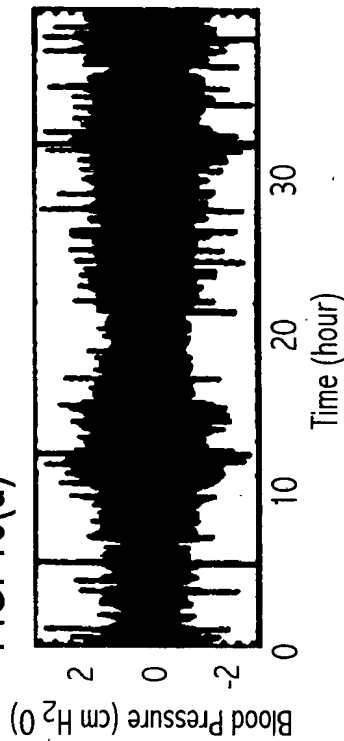


FIG. 16(e)

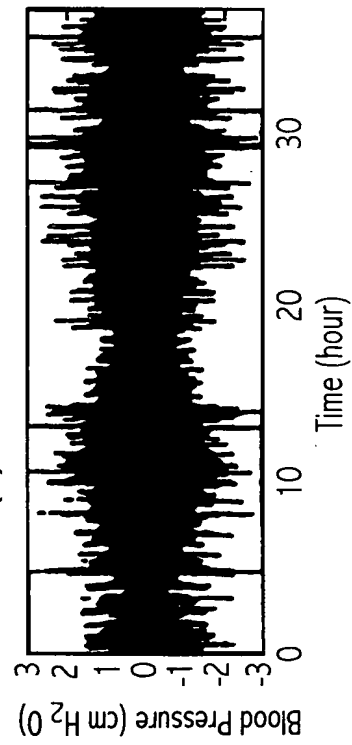


FIG. 16(f)

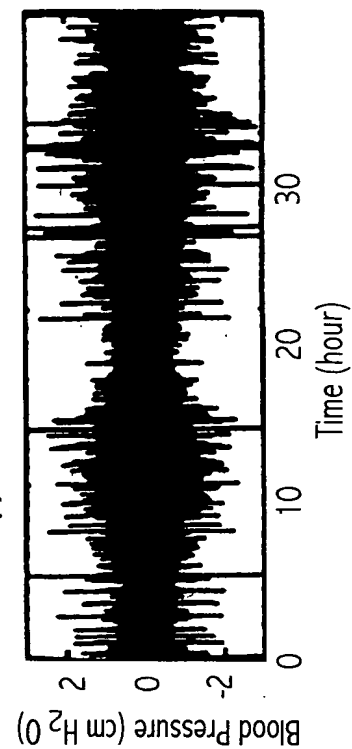


FIG. 17(a)

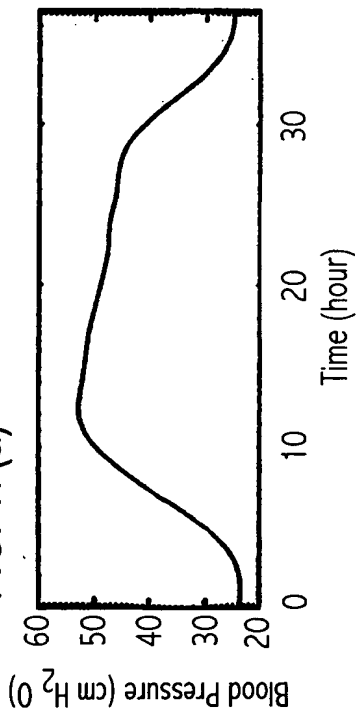


FIG. 17(b)

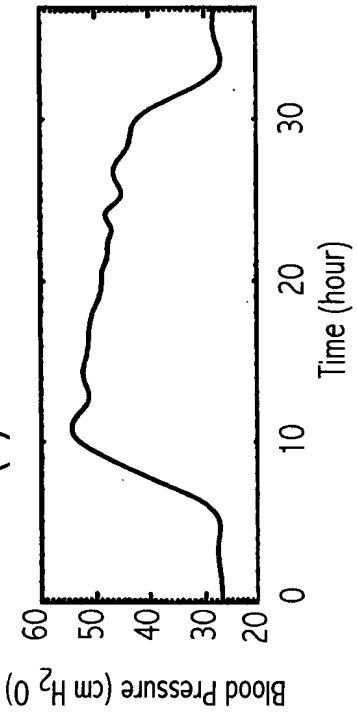


FIG. 17(c)

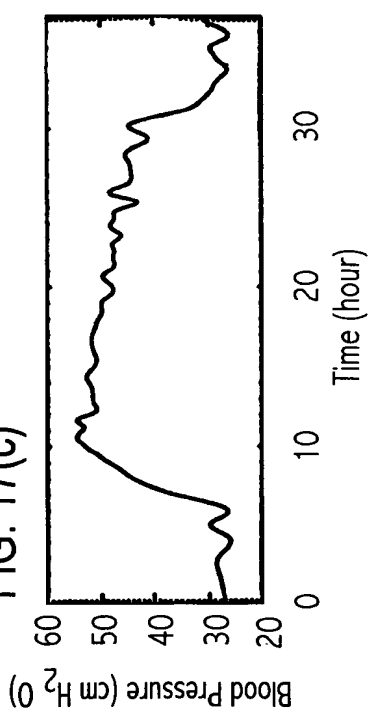


FIG. 17(d)

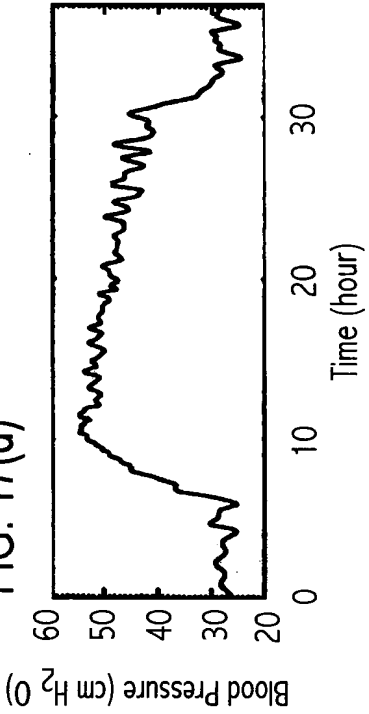


FIG. 17(e)

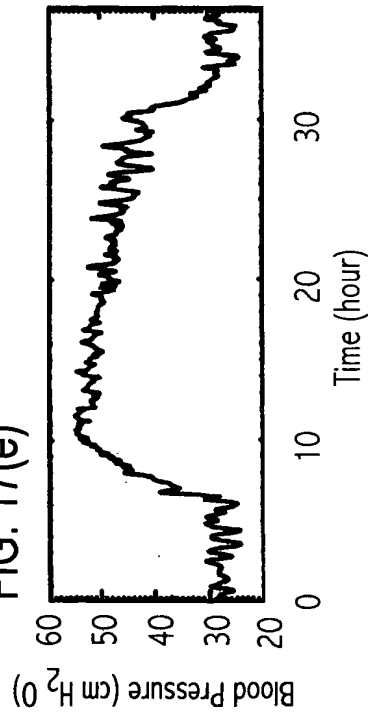
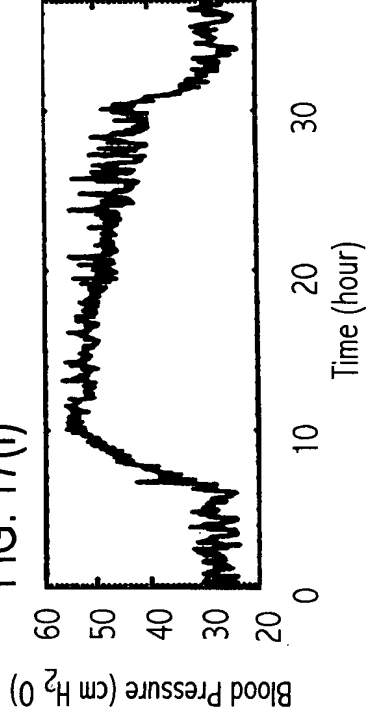


FIG. 17(f)



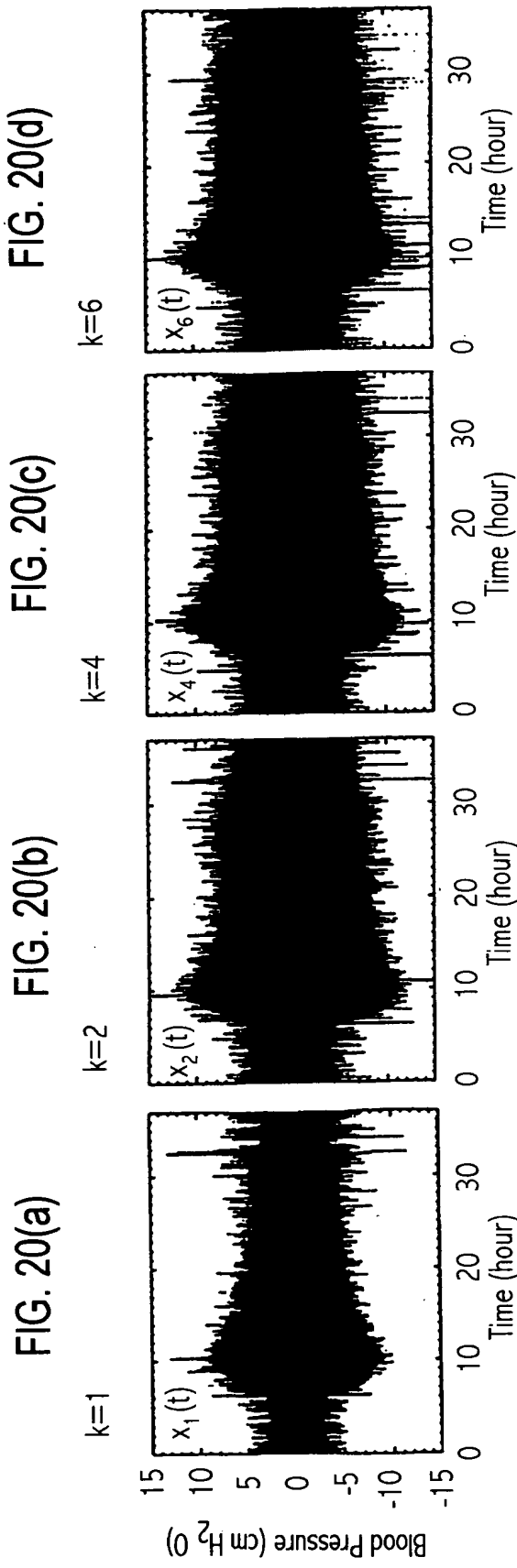
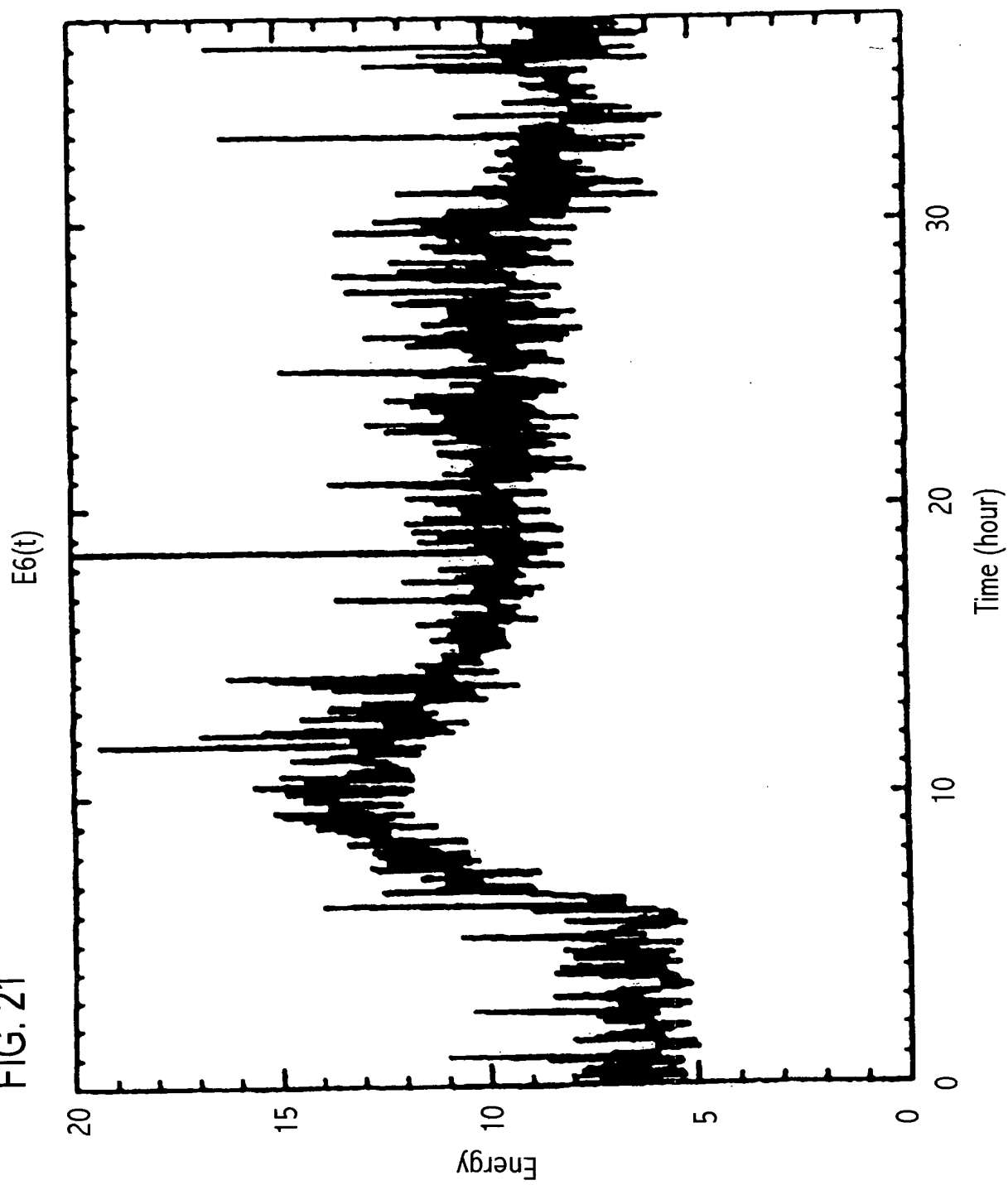
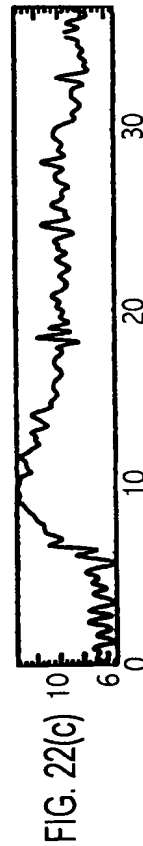
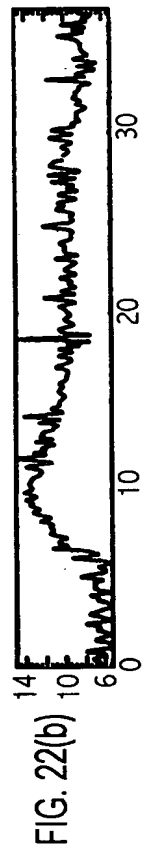
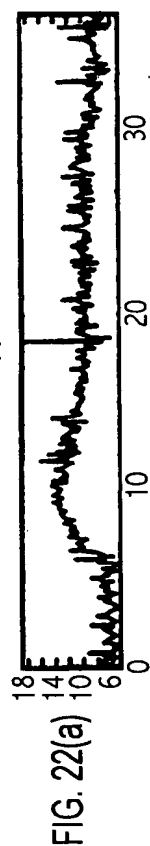


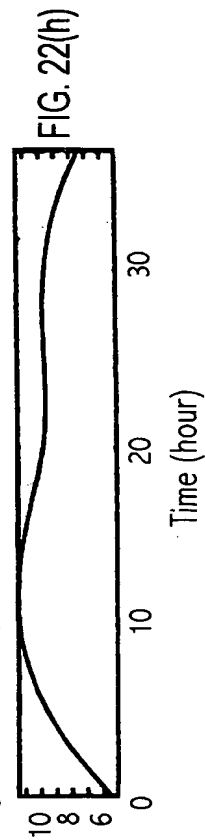
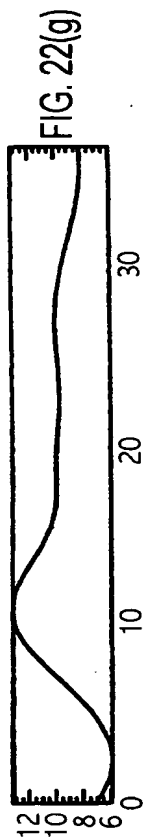
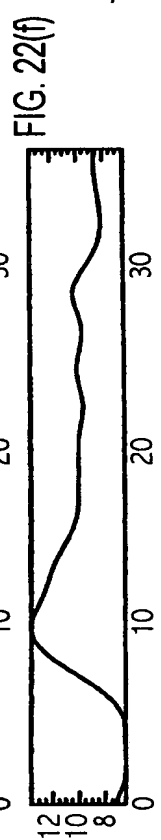
FIG. 21



CEK(t): k=9-12

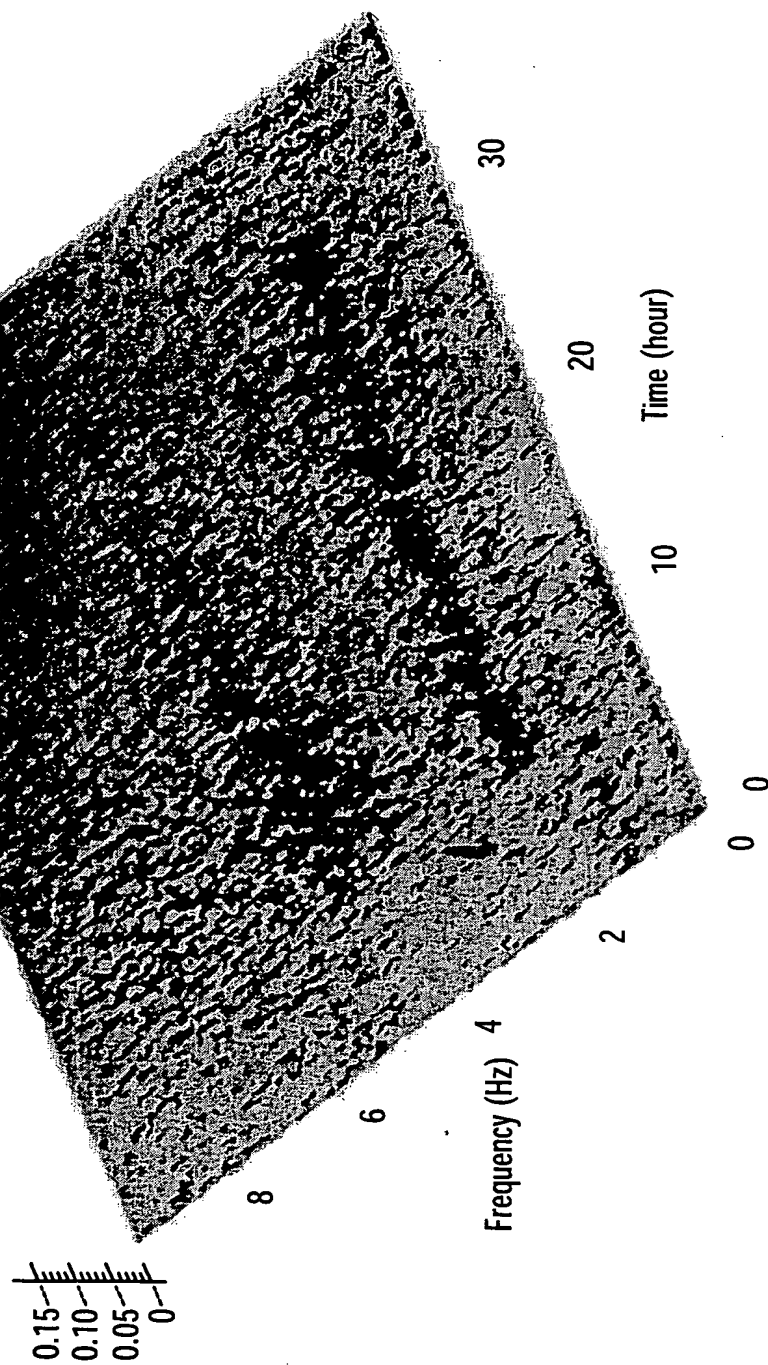


CEK(t): k=13-16



2025/06/04 14:00:00

FIG. 23(a)



2025 04 23 14 28 28

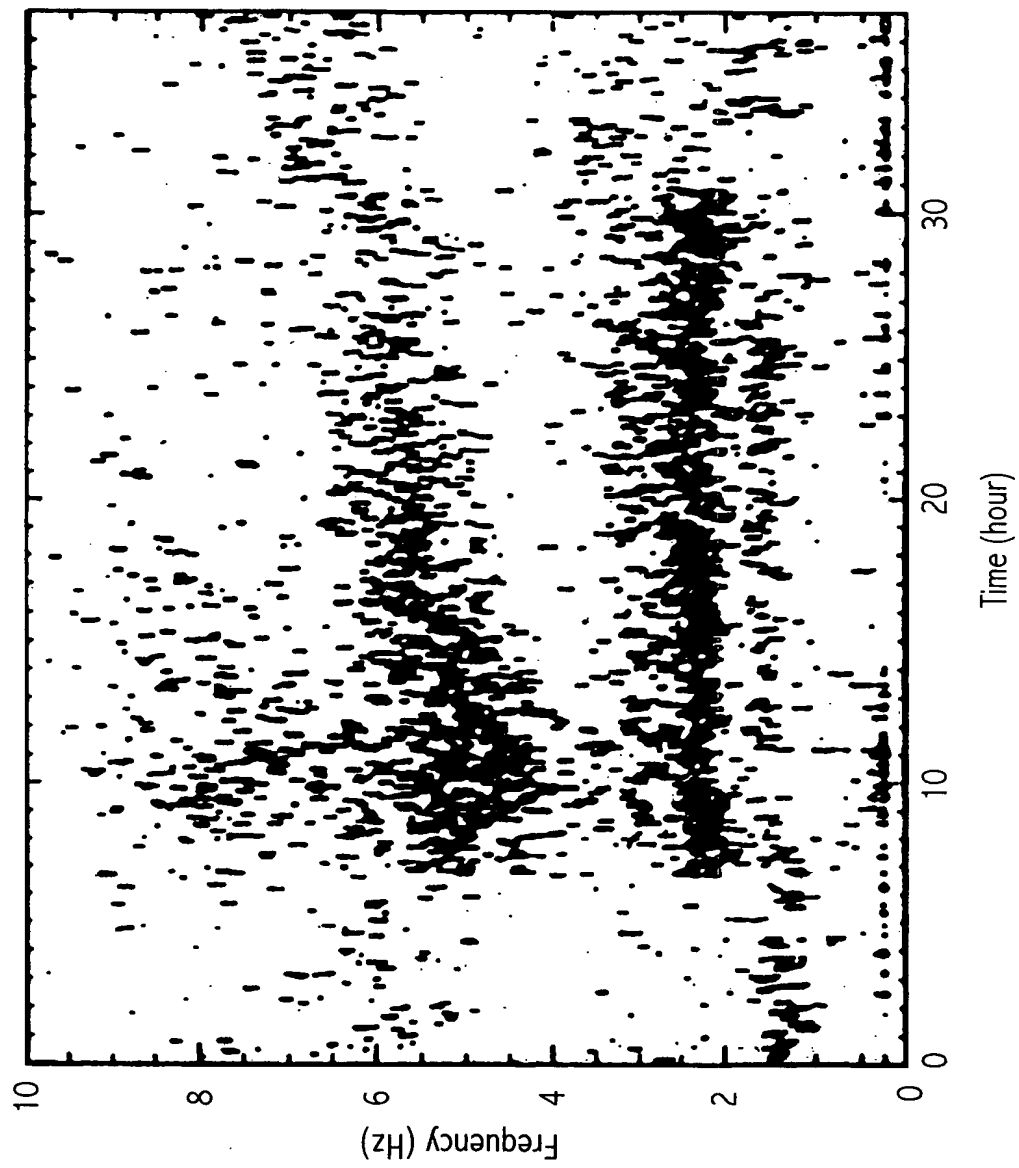


FIG. 23(b)

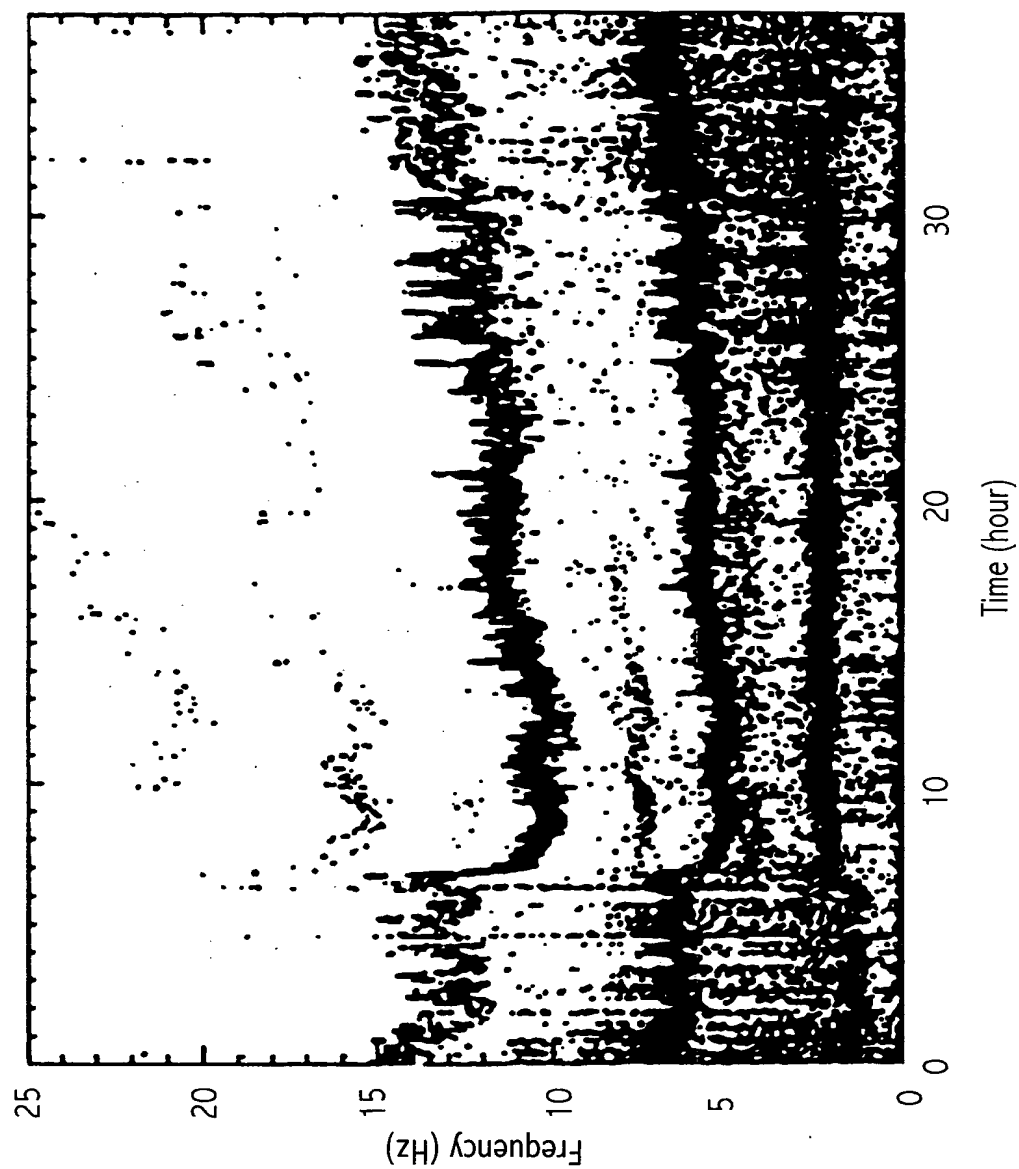


FIG. 24

FIG. 24

FIG. 25

Heart Beat Rate Data : nn.slp04

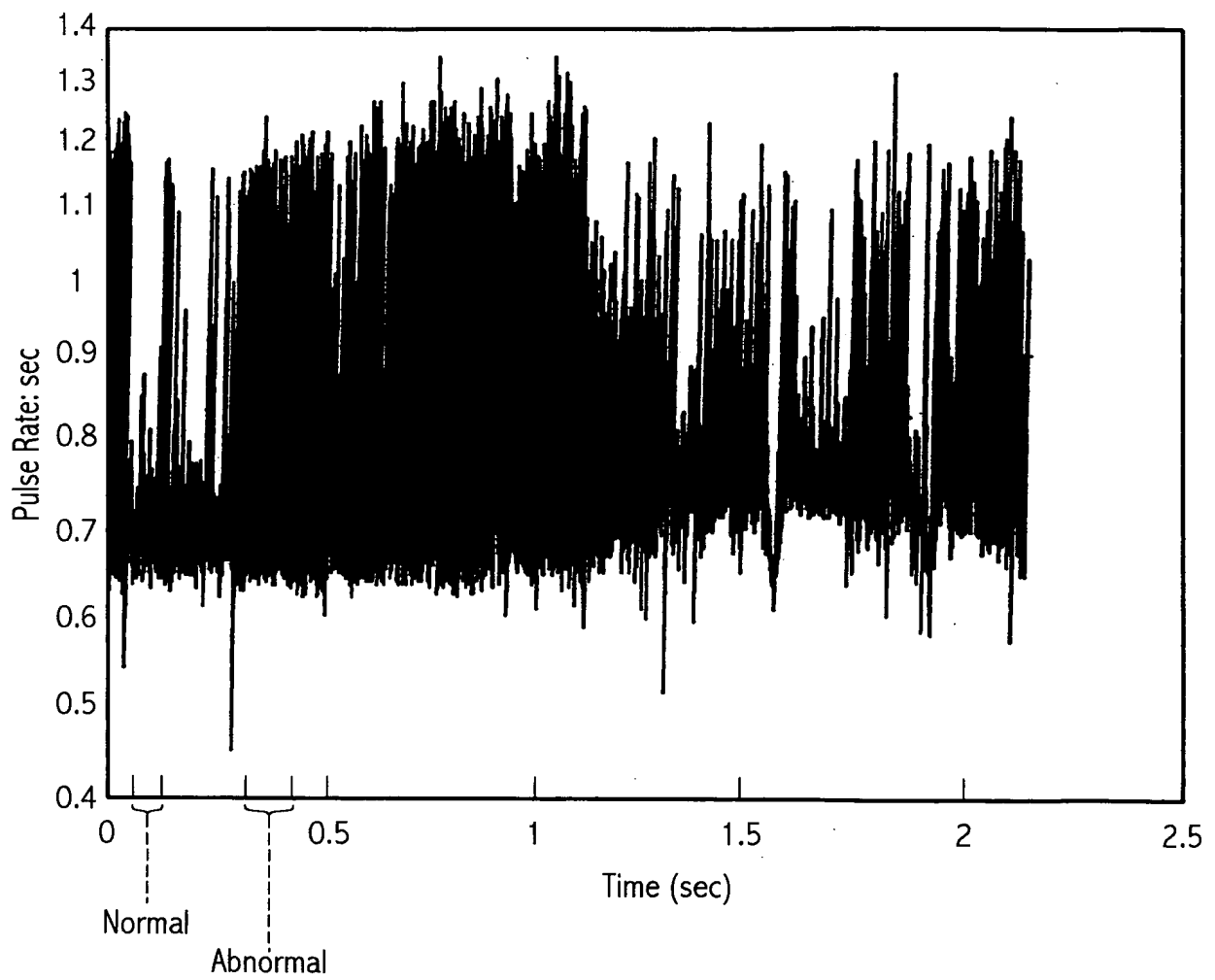
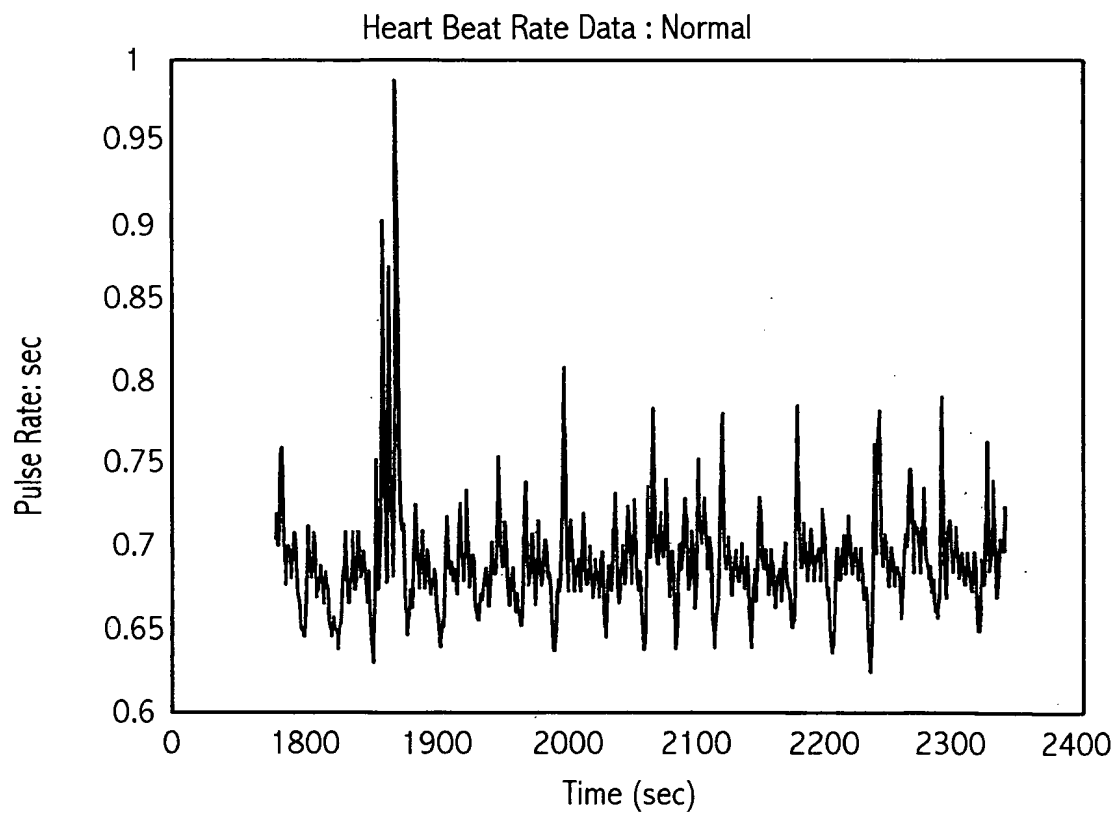


FIG. 26



IMF Normal

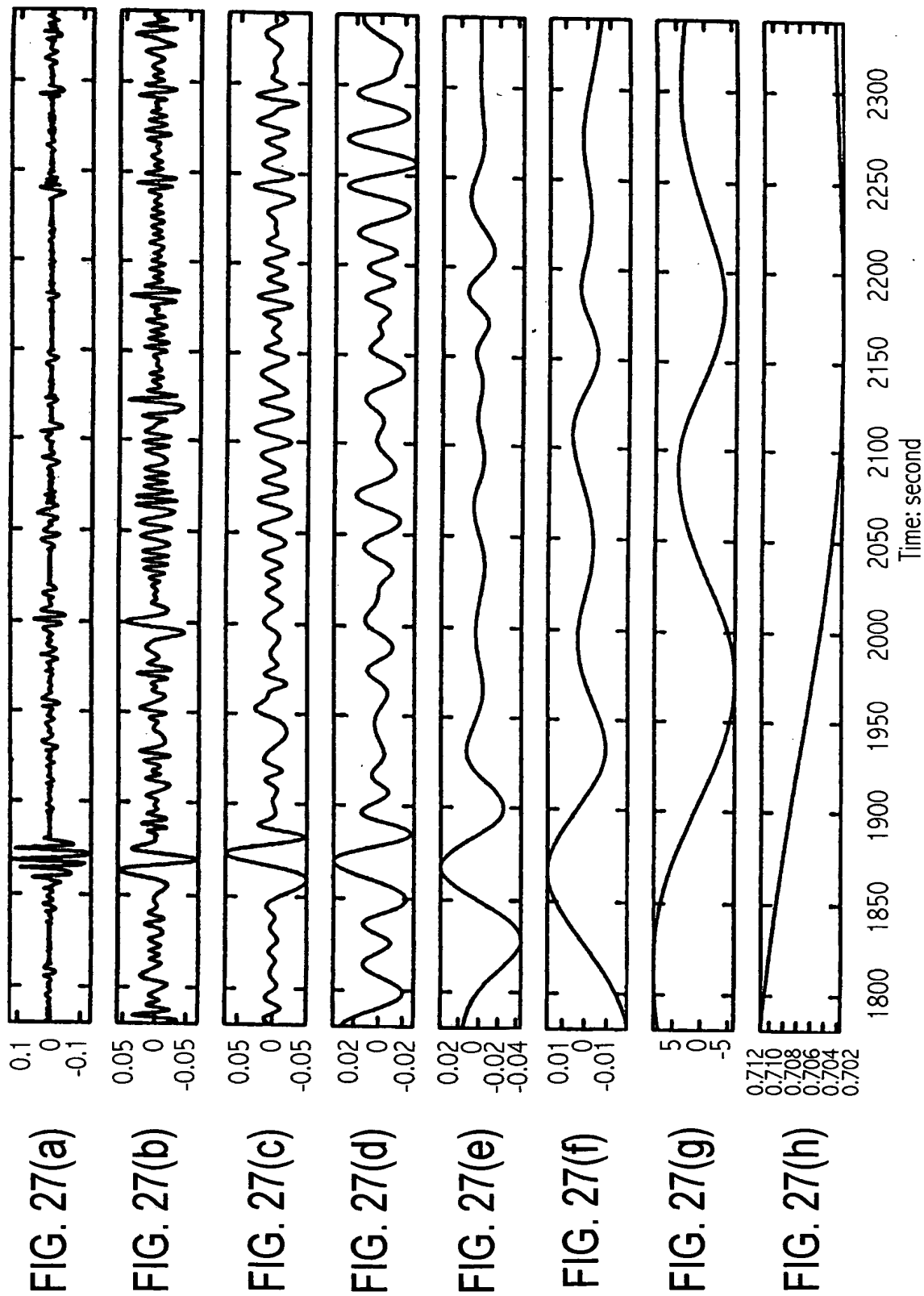


FIG. 28

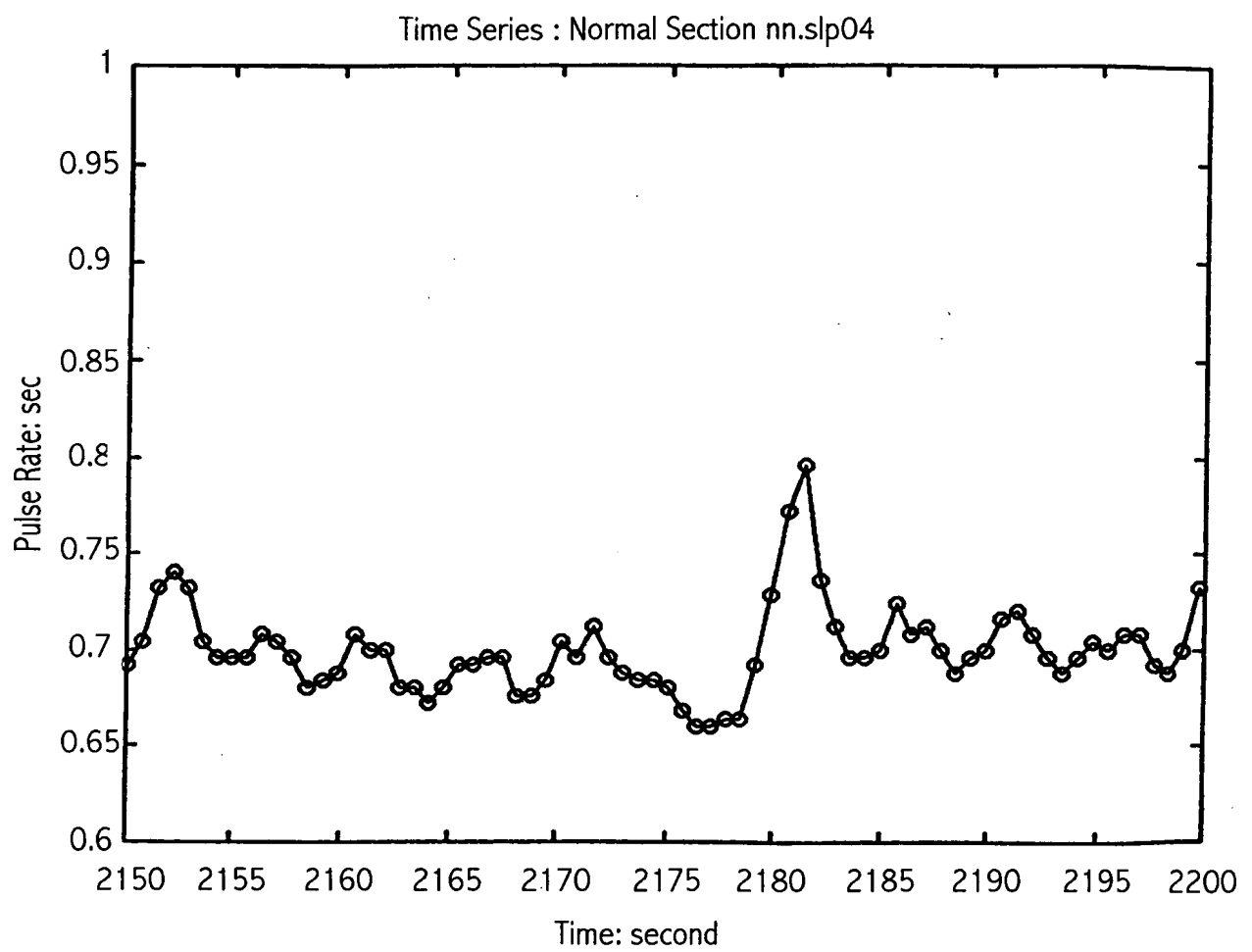


FIG. 29

Hilbert Spectrum : Normal

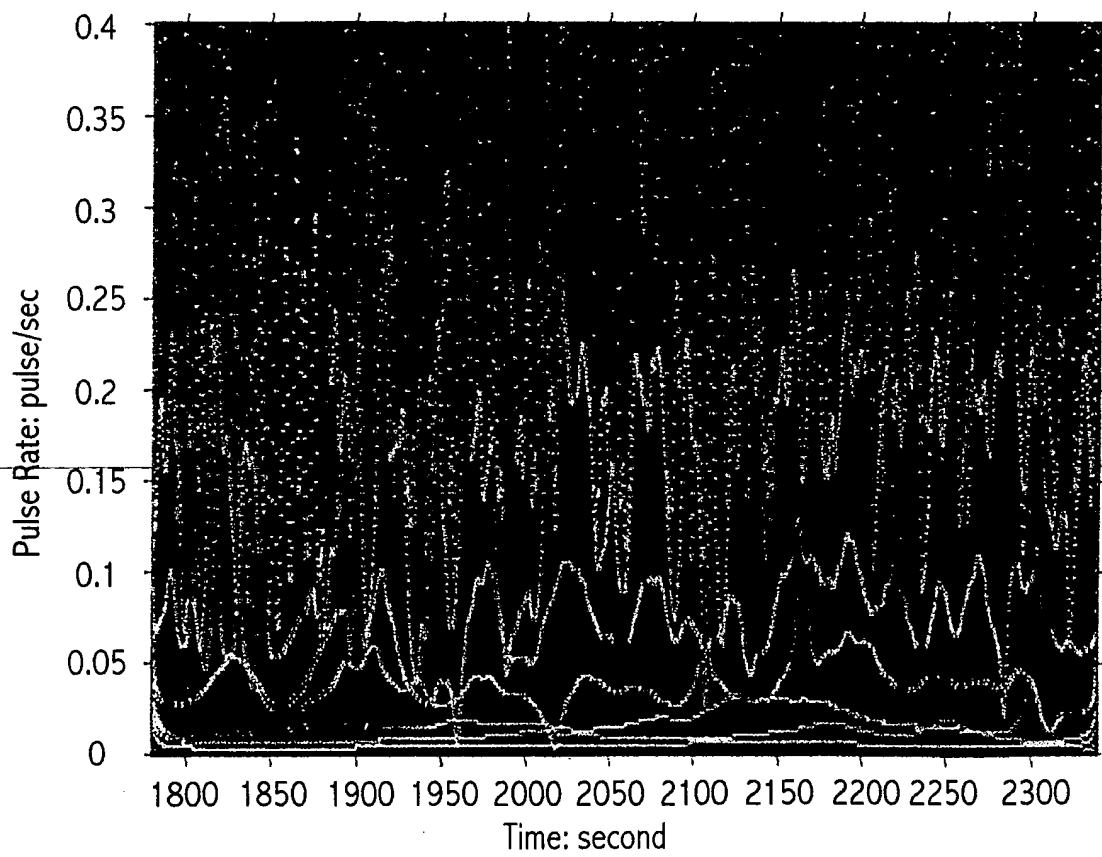
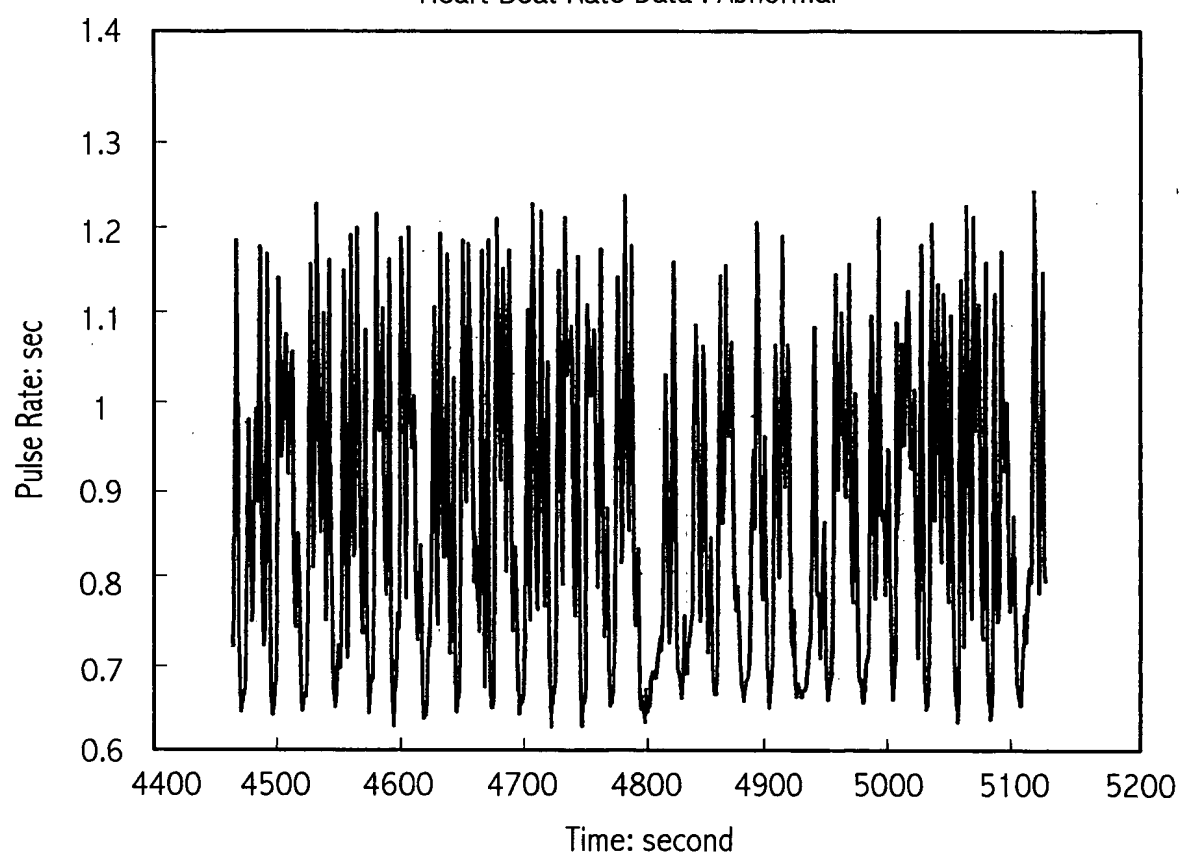


FIG. 30

Heart Beat Rate Data : Abnormal



IMF Abnormal

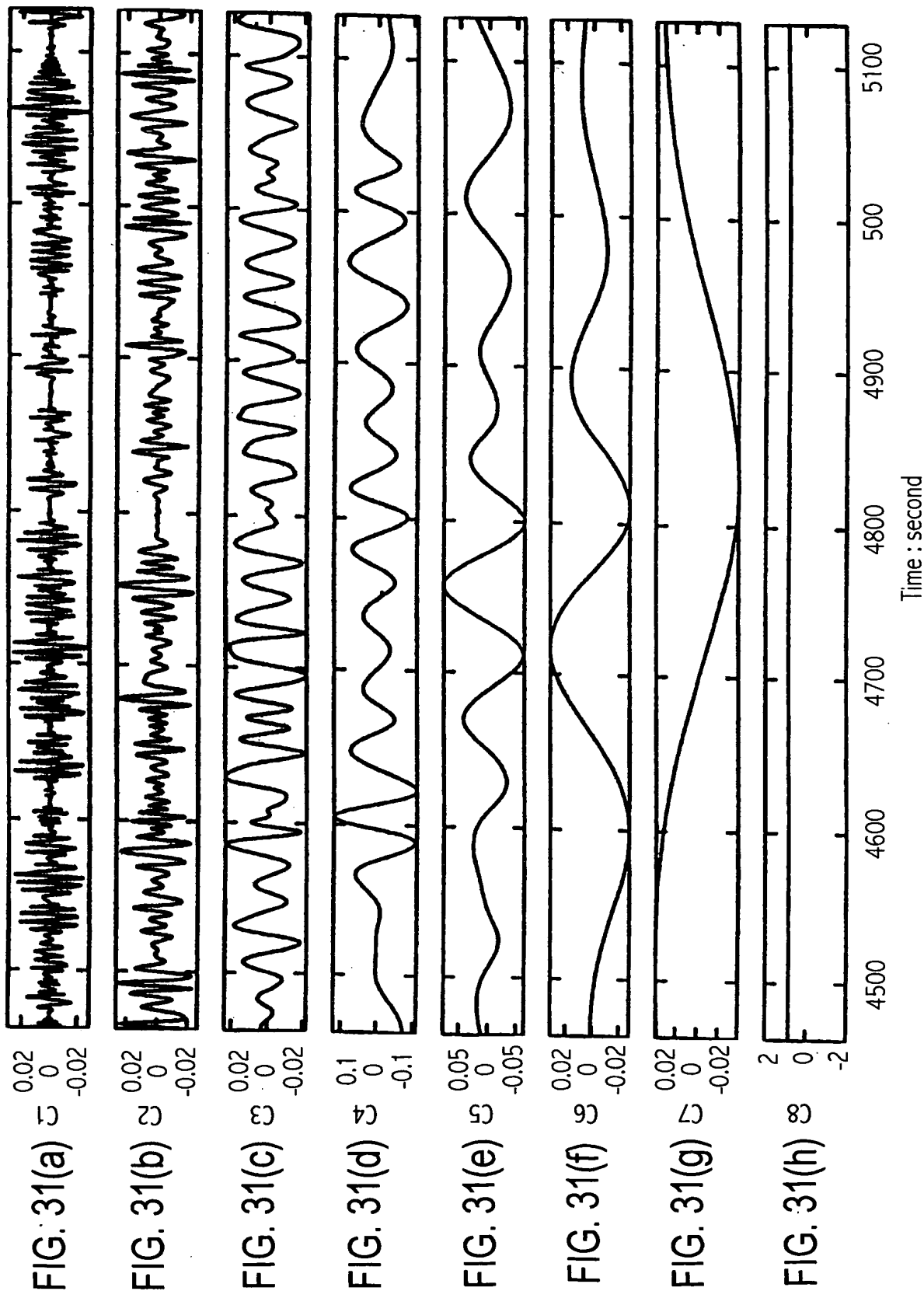


FIG. 32

Time Series : Abnormal Section nn.slp04

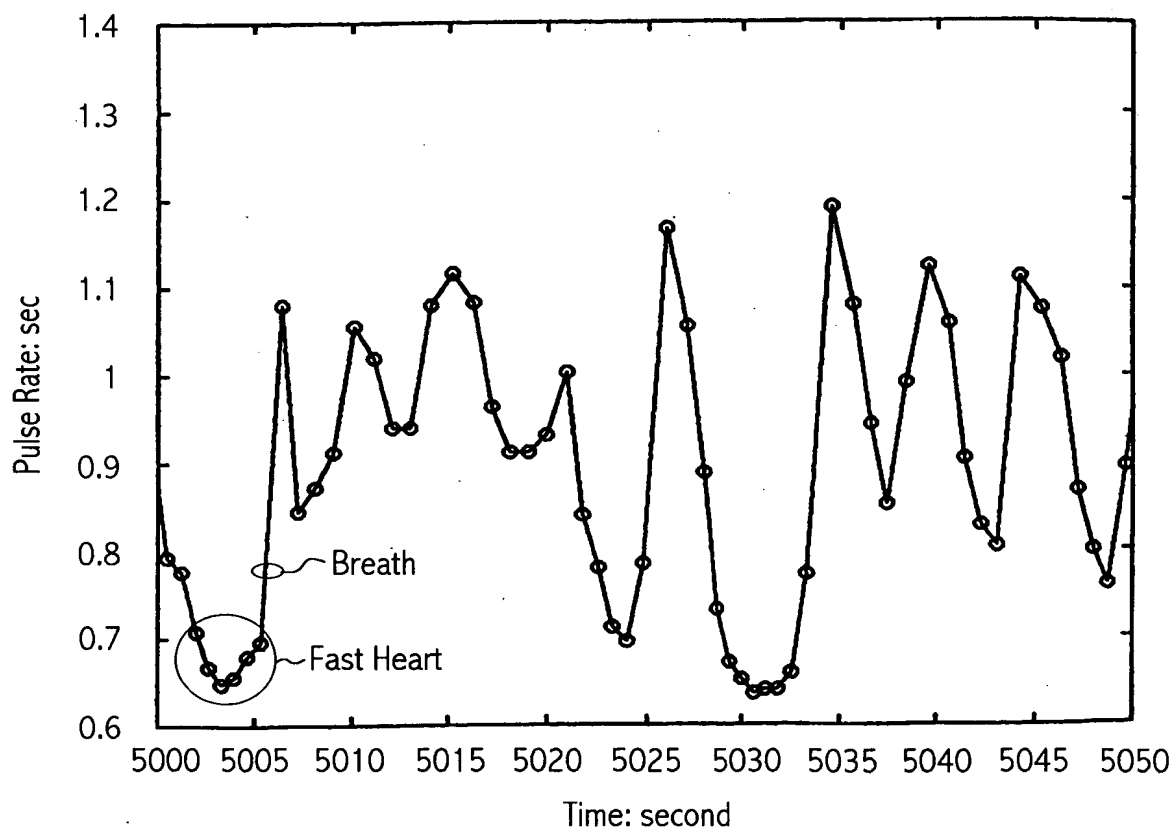


FIG. 33

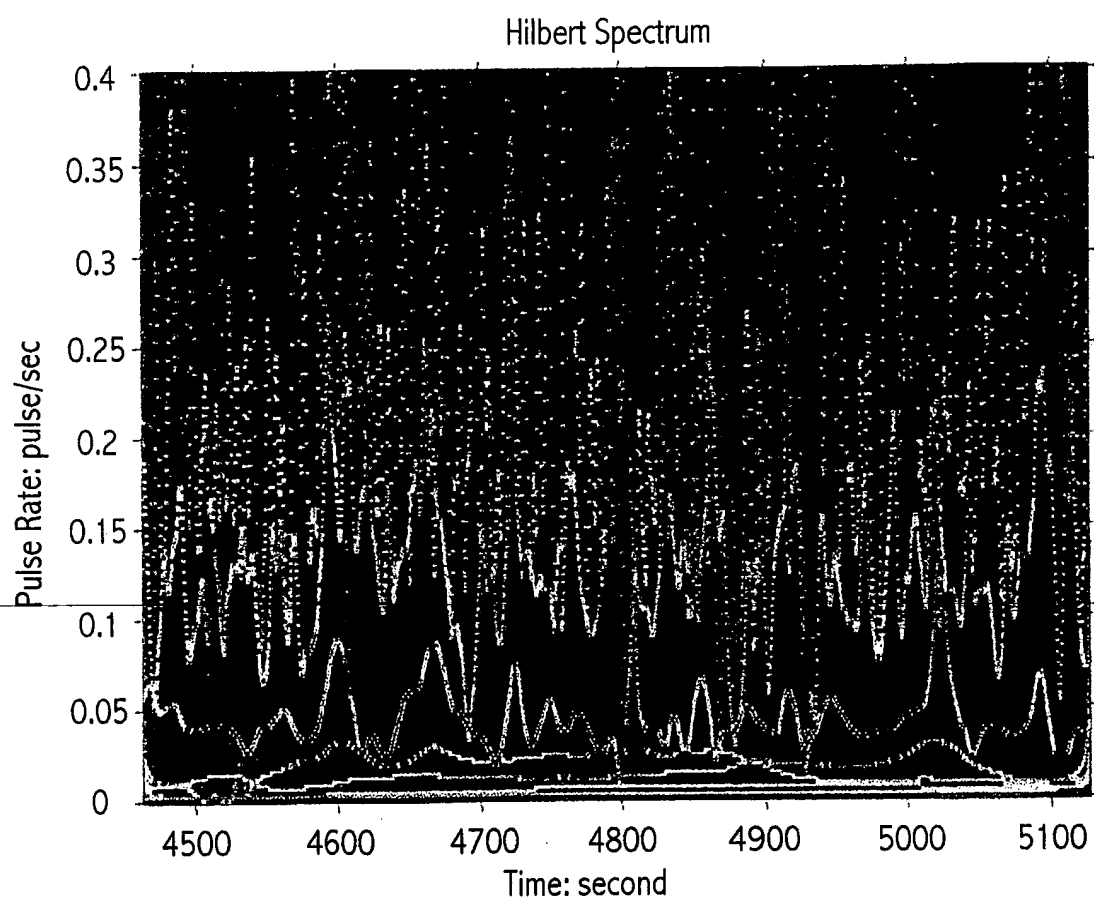
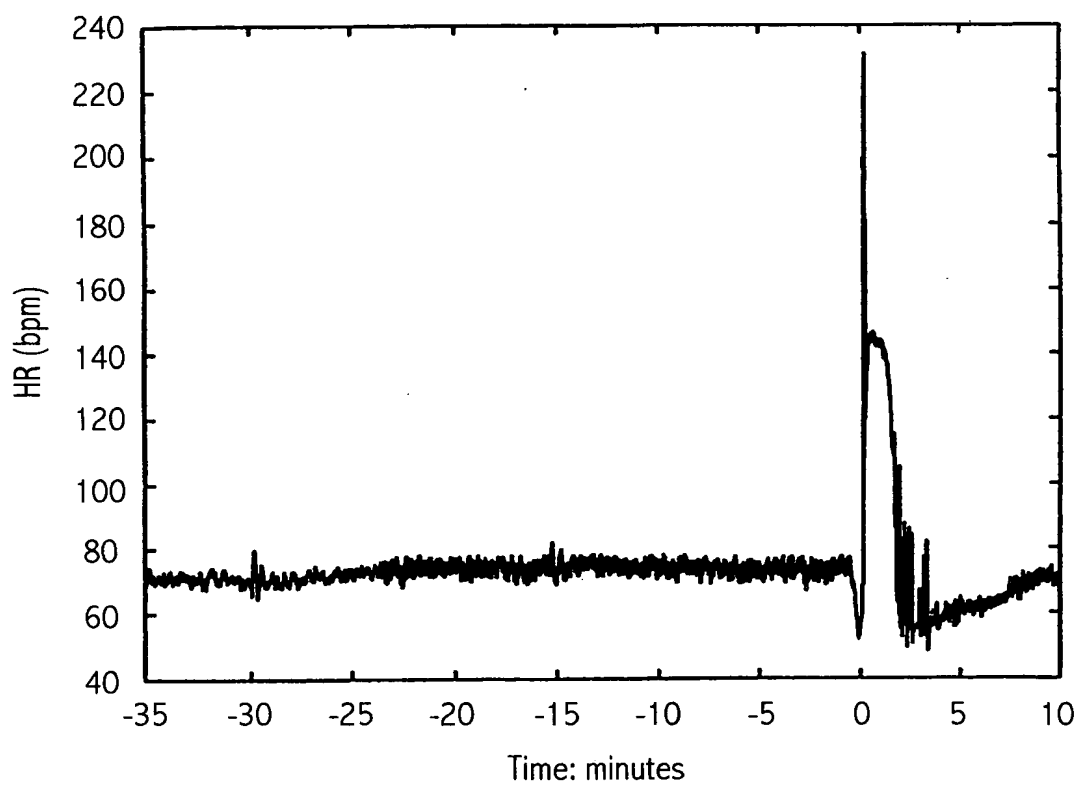


FIG. 34

Seizure Data



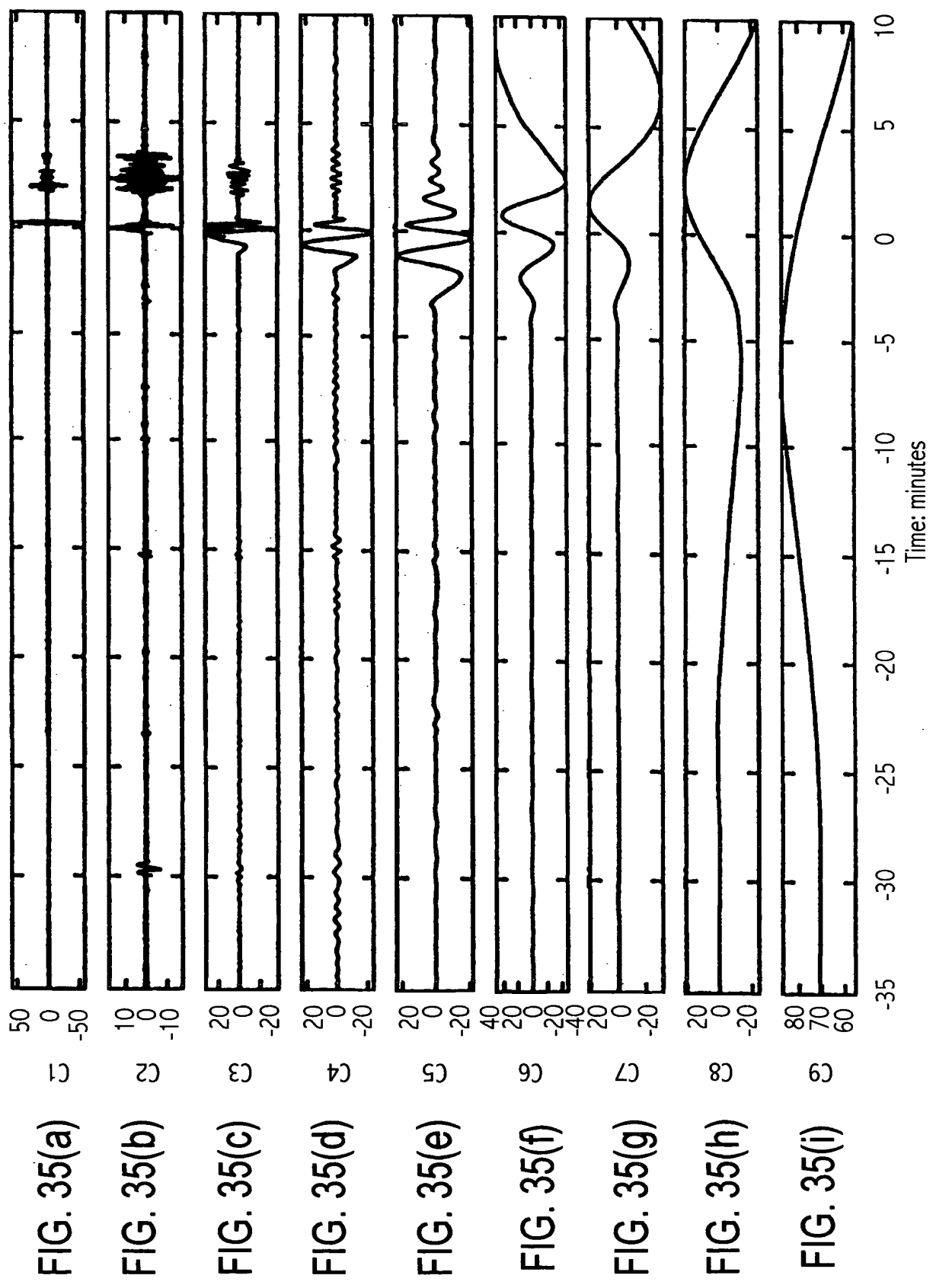


FIG. 35(a) through FIG. 35(i) are plots of the output of the system of FIG. 1, showing the effect of varying the input signal. The input signal is a square wave of amplitude 1, and the output is the signal at the output of the system. The plots show the output signal for different values of the input signal, and the output signal is shown as a function of time. The output signal is shown as a function of time, and the output signal is shown as a function of time.

7

L

Intrinsic Mode Decomposition

FIG. 36(a)

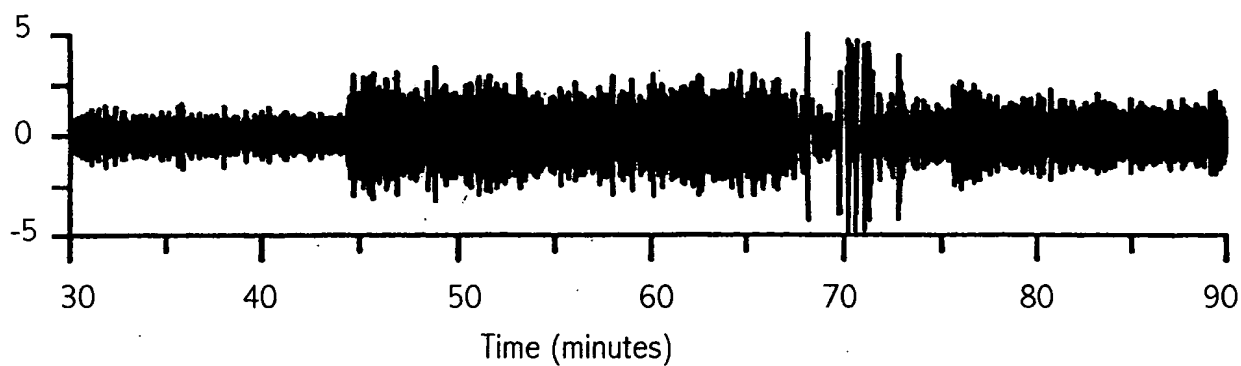


FIG. 36(b)

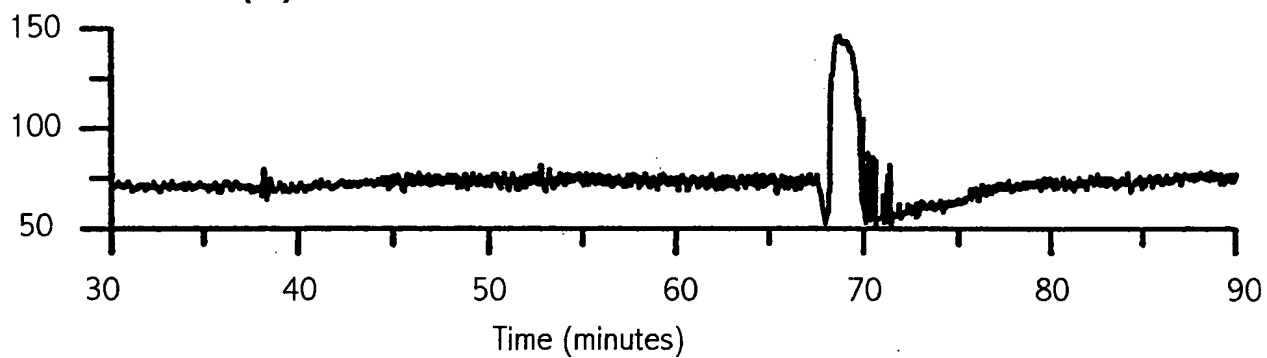


FIG. 36(c)

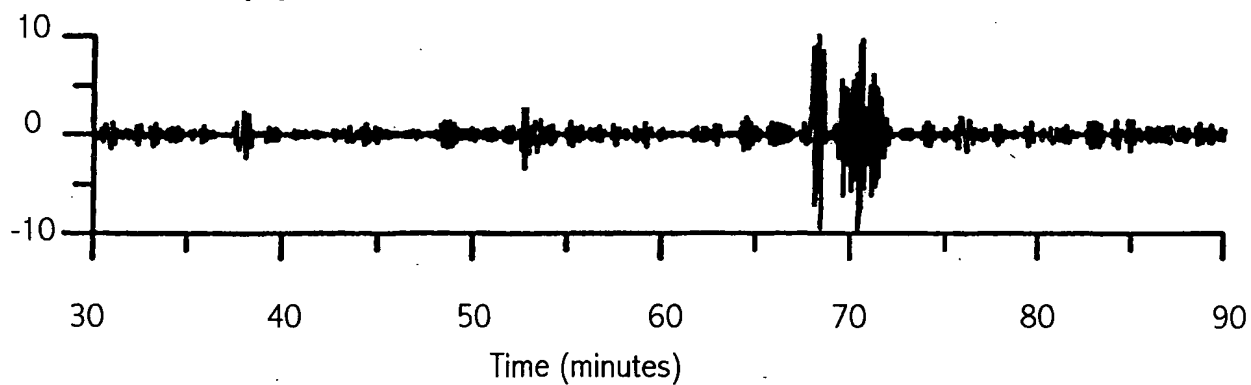


FIG. 37

Hilbert Spectrum Seizure Data

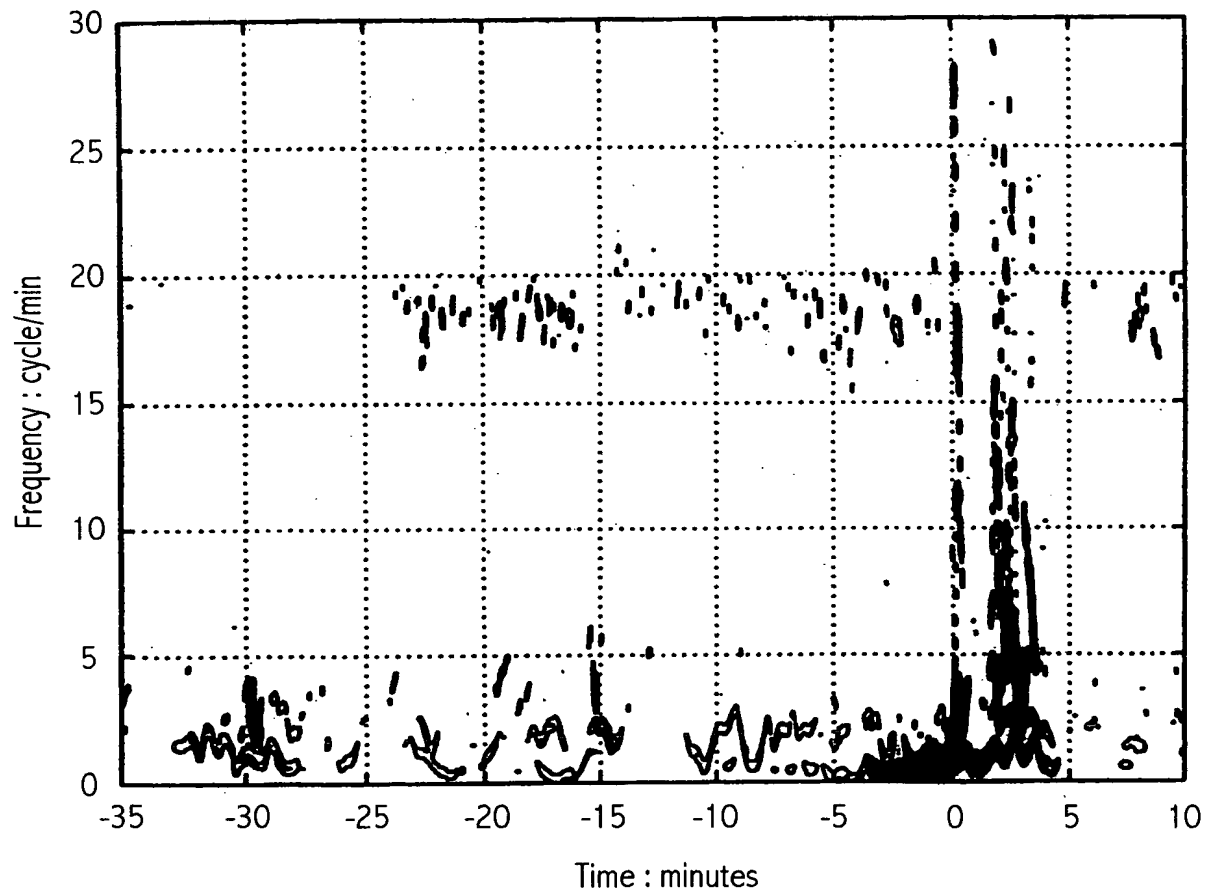
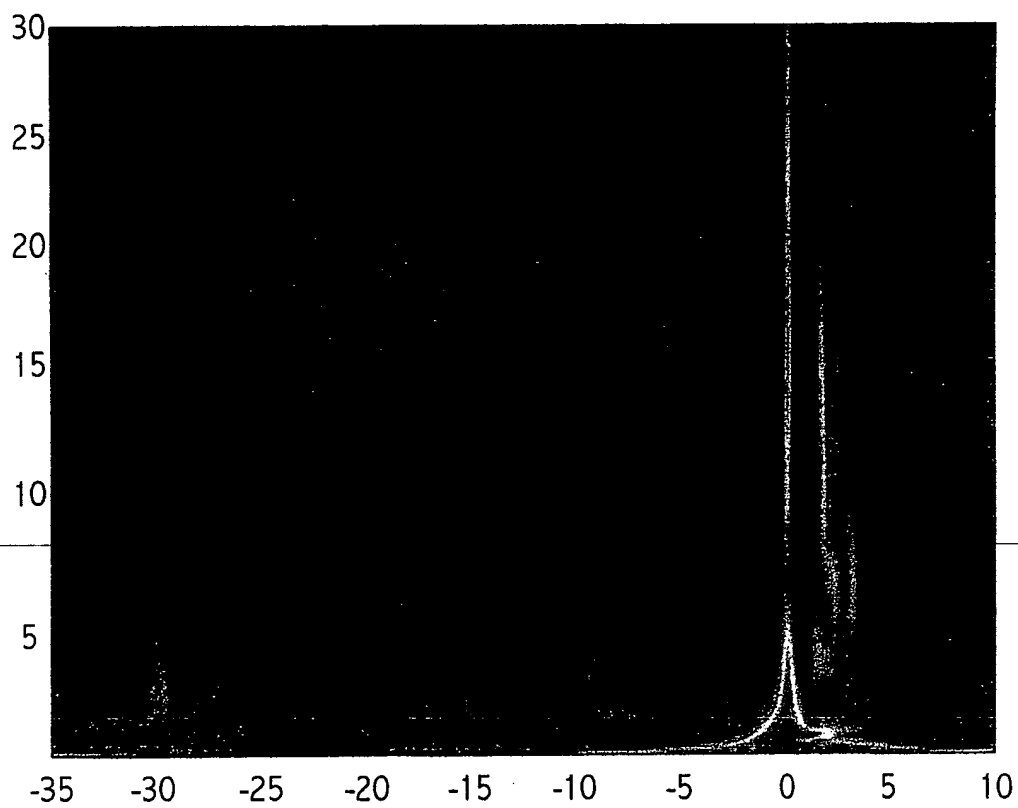


FIG. 38



These words form the basis of the HHT process. The HHT process is a series of steps that are performed on the speech signal to extract the phonemes and formants. The HHT process is a series of steps that are performed on the speech signal to extract the phonemes and formants.

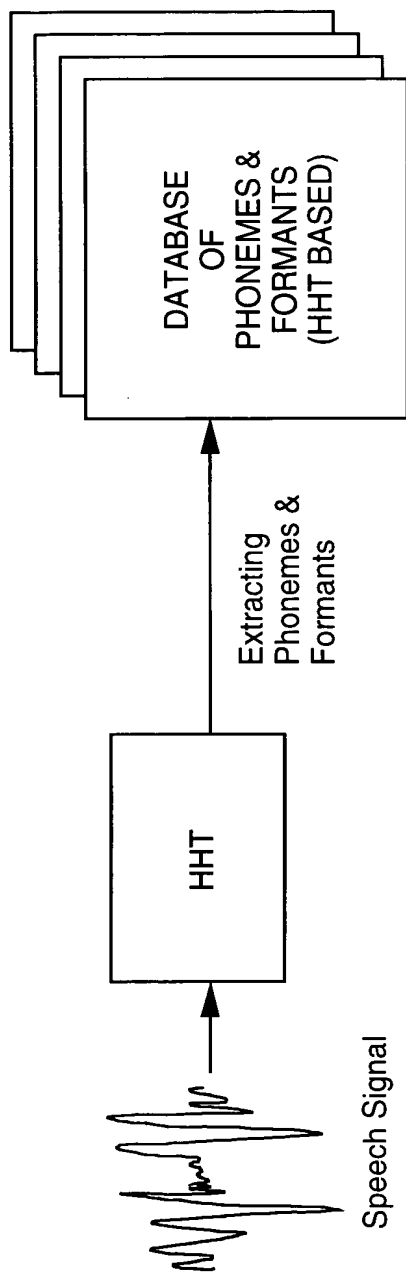


FIG. 39



FIG. 40

FIG. 41

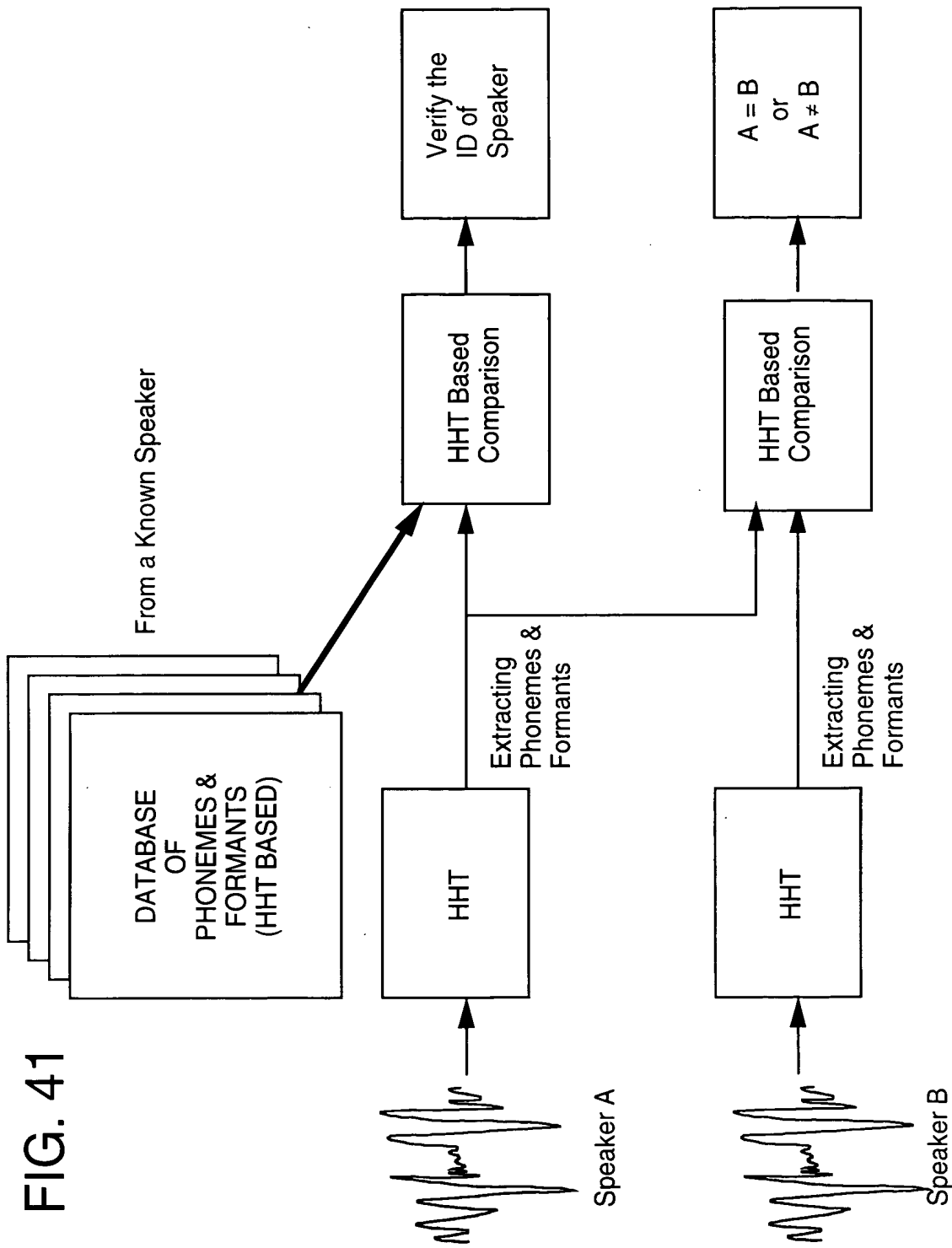
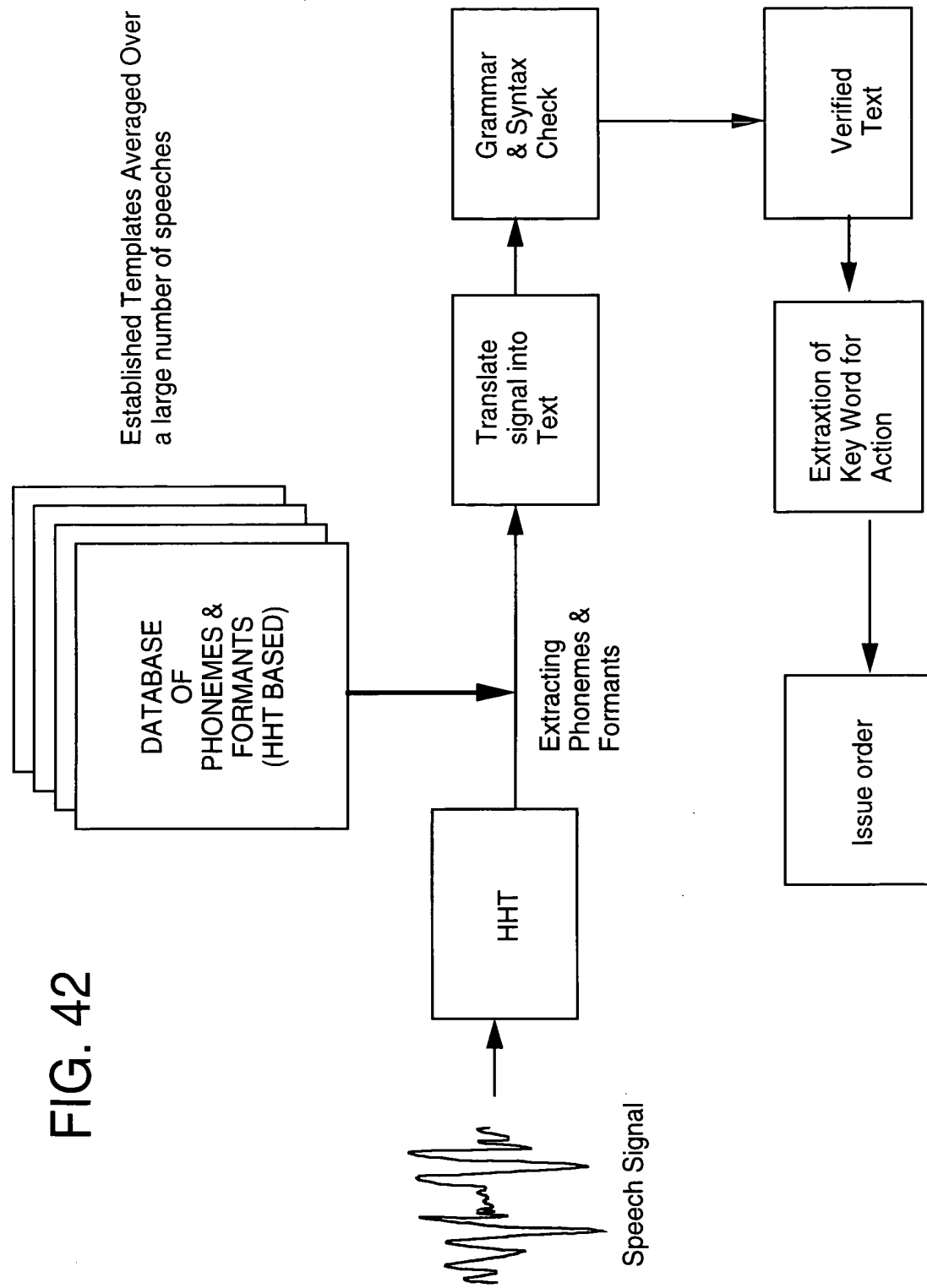


FIG. 42



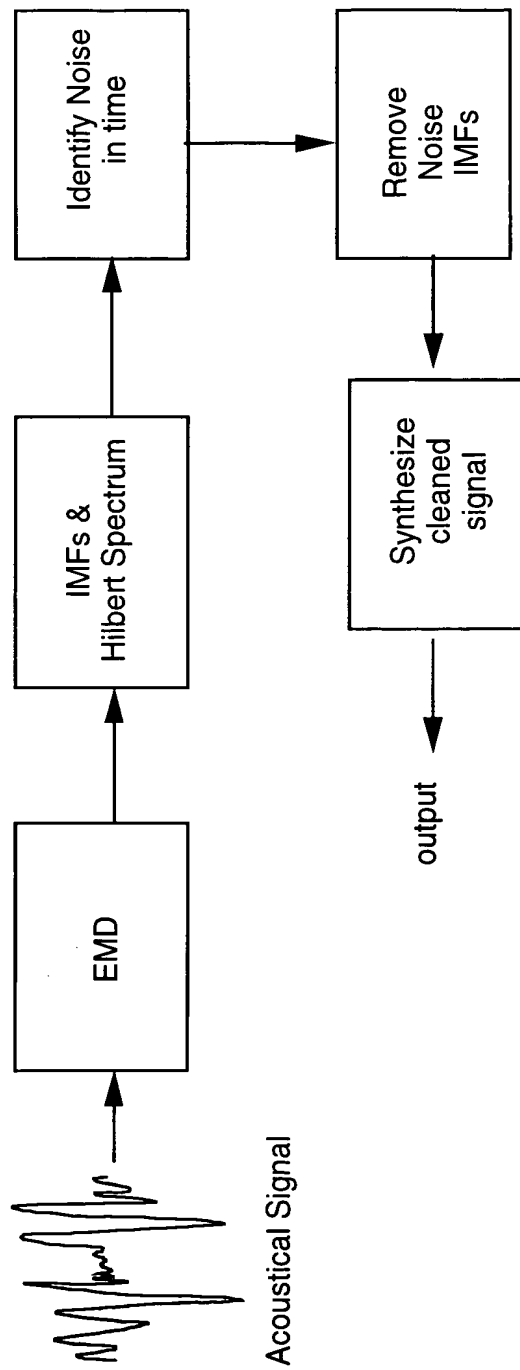


FIG. 43

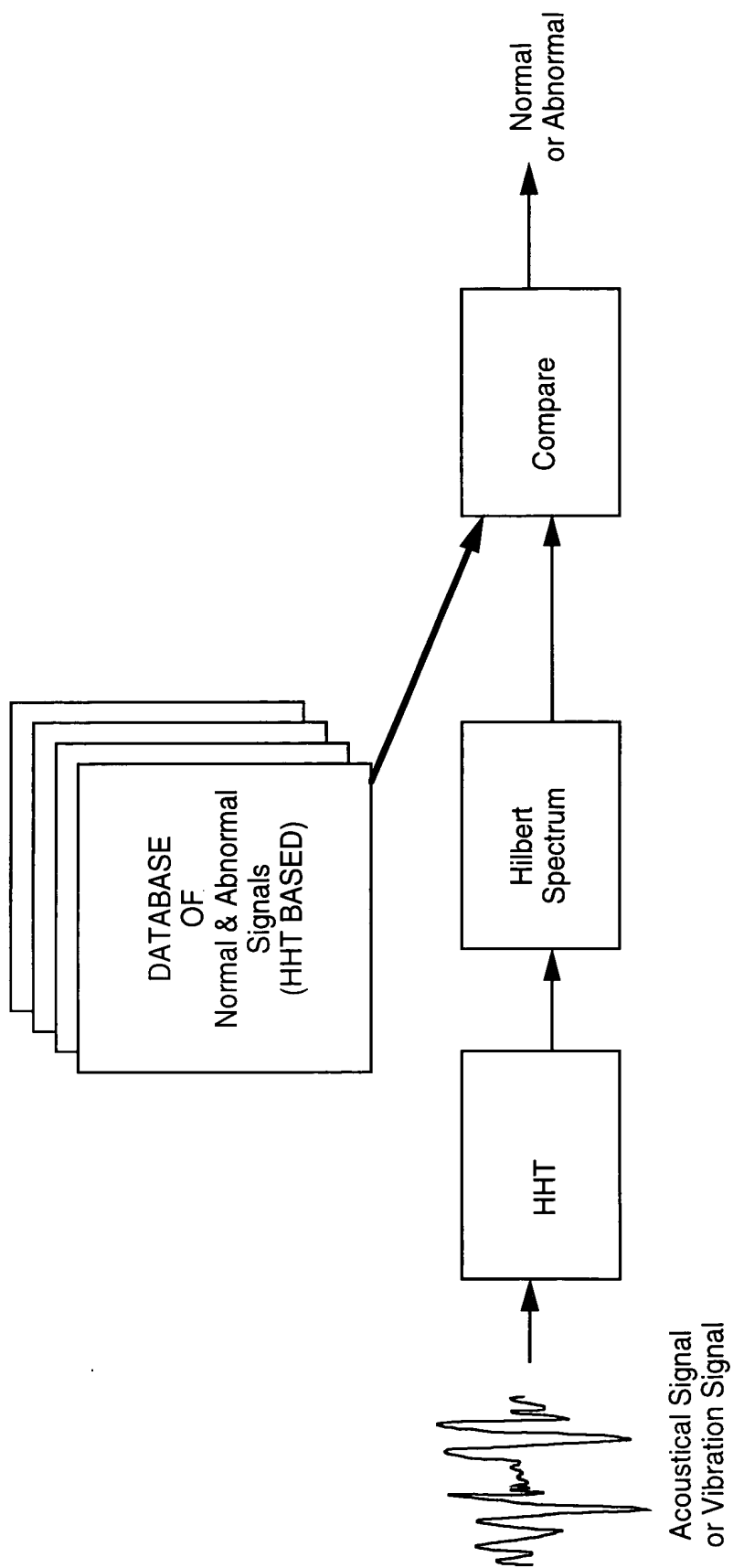


FIG. 44

FIG. 45(a)

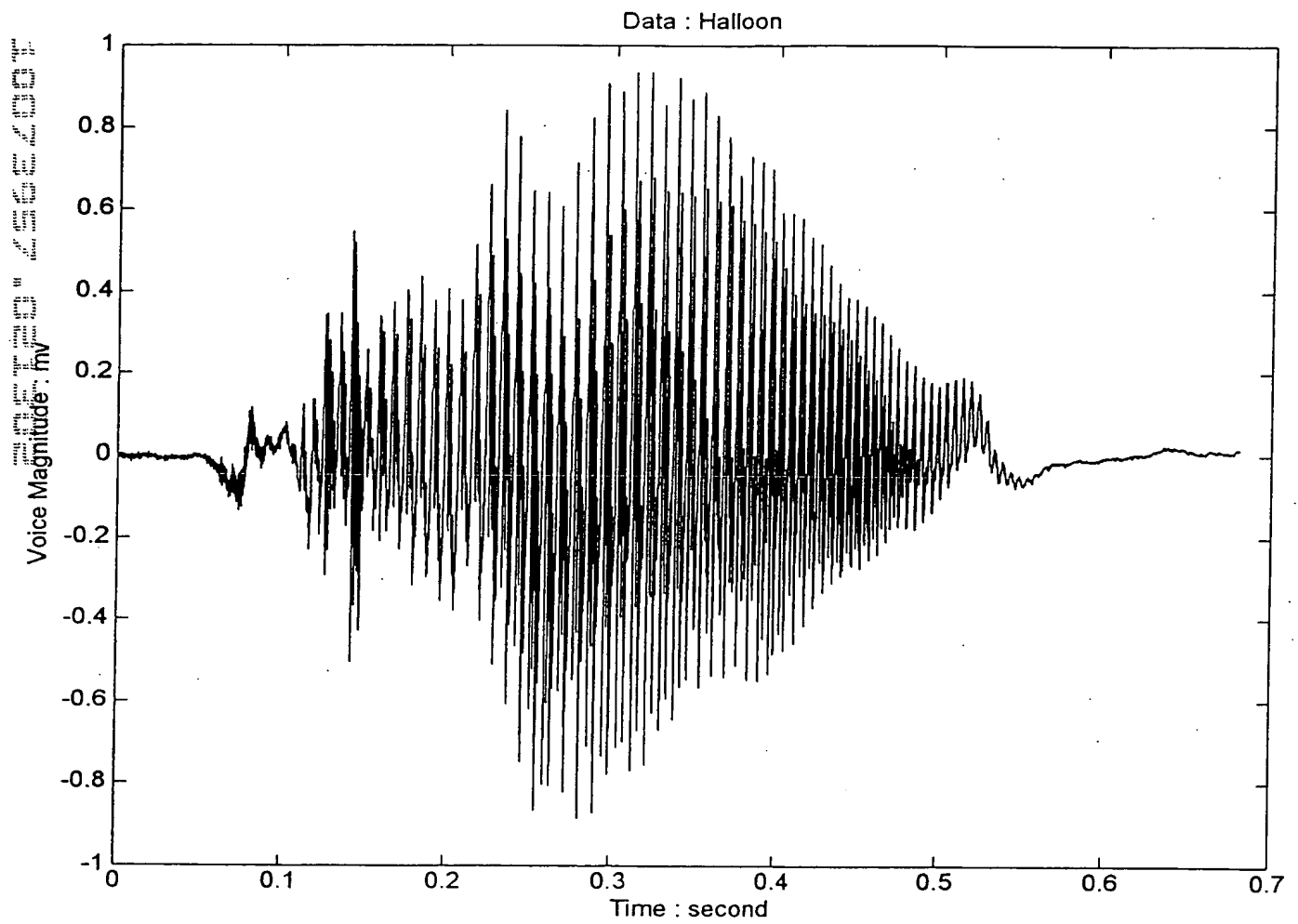


FIG. 45(b)

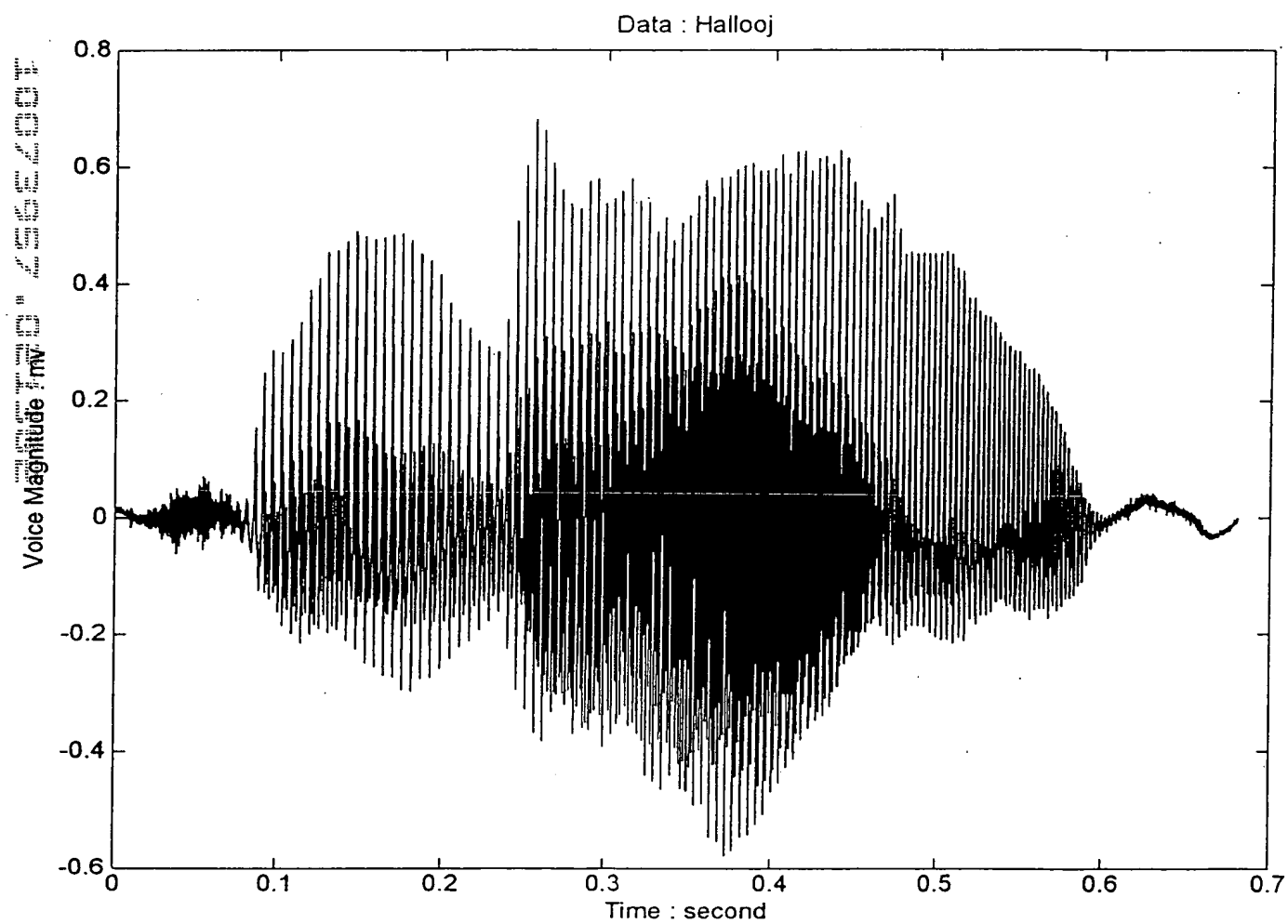


FIG. 46(a)

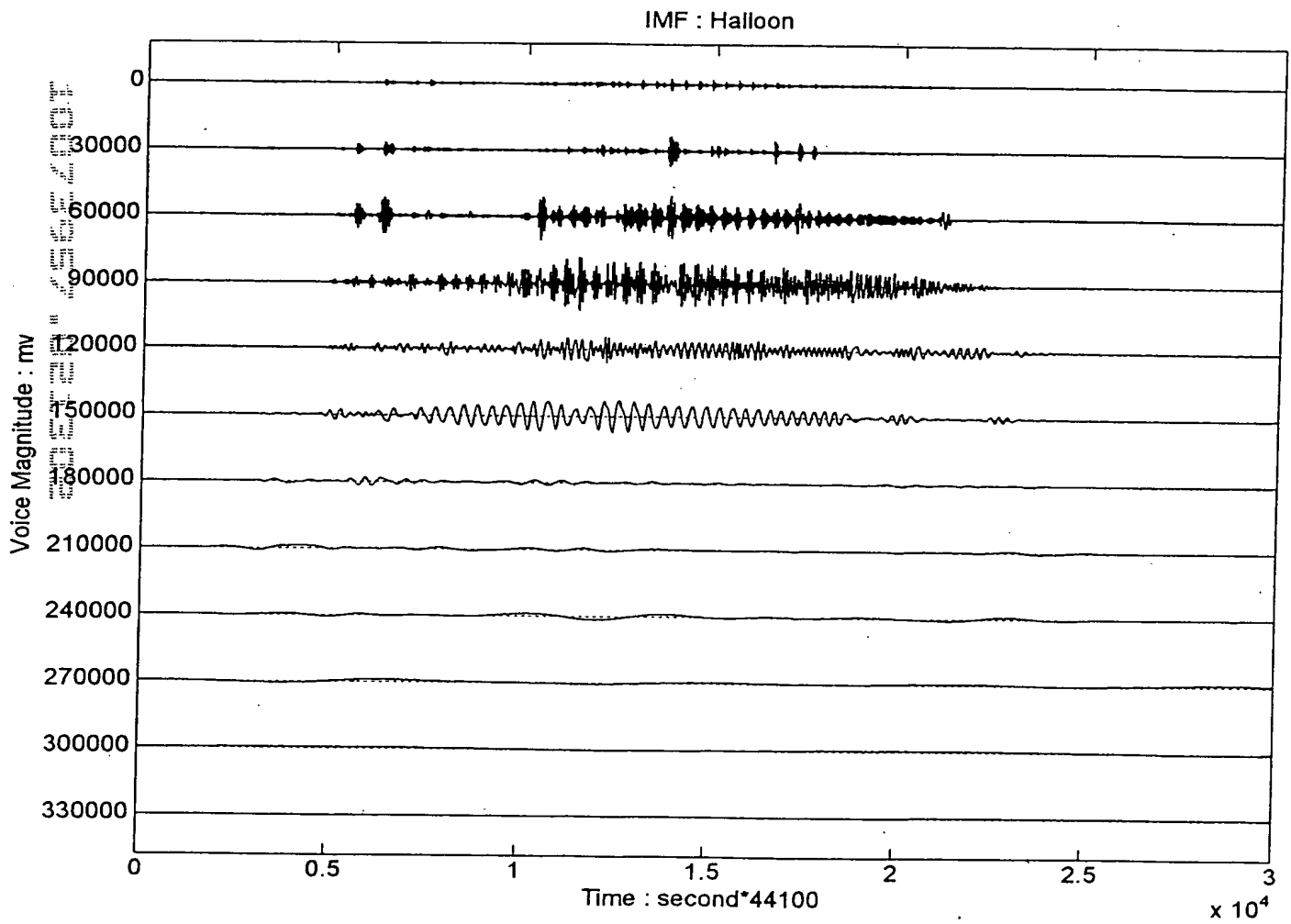


FIG. 46(b)

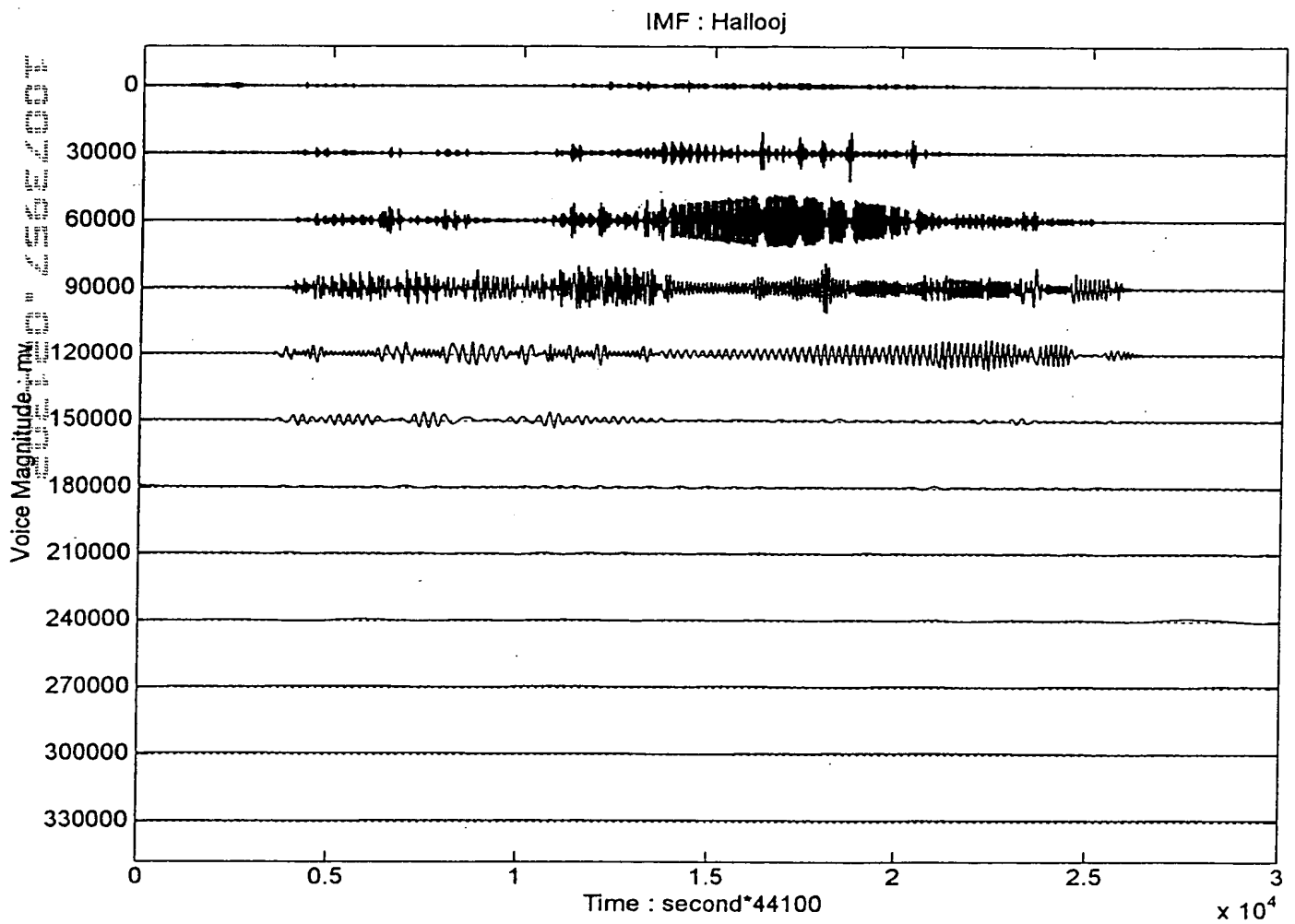


FIG. 47(a)

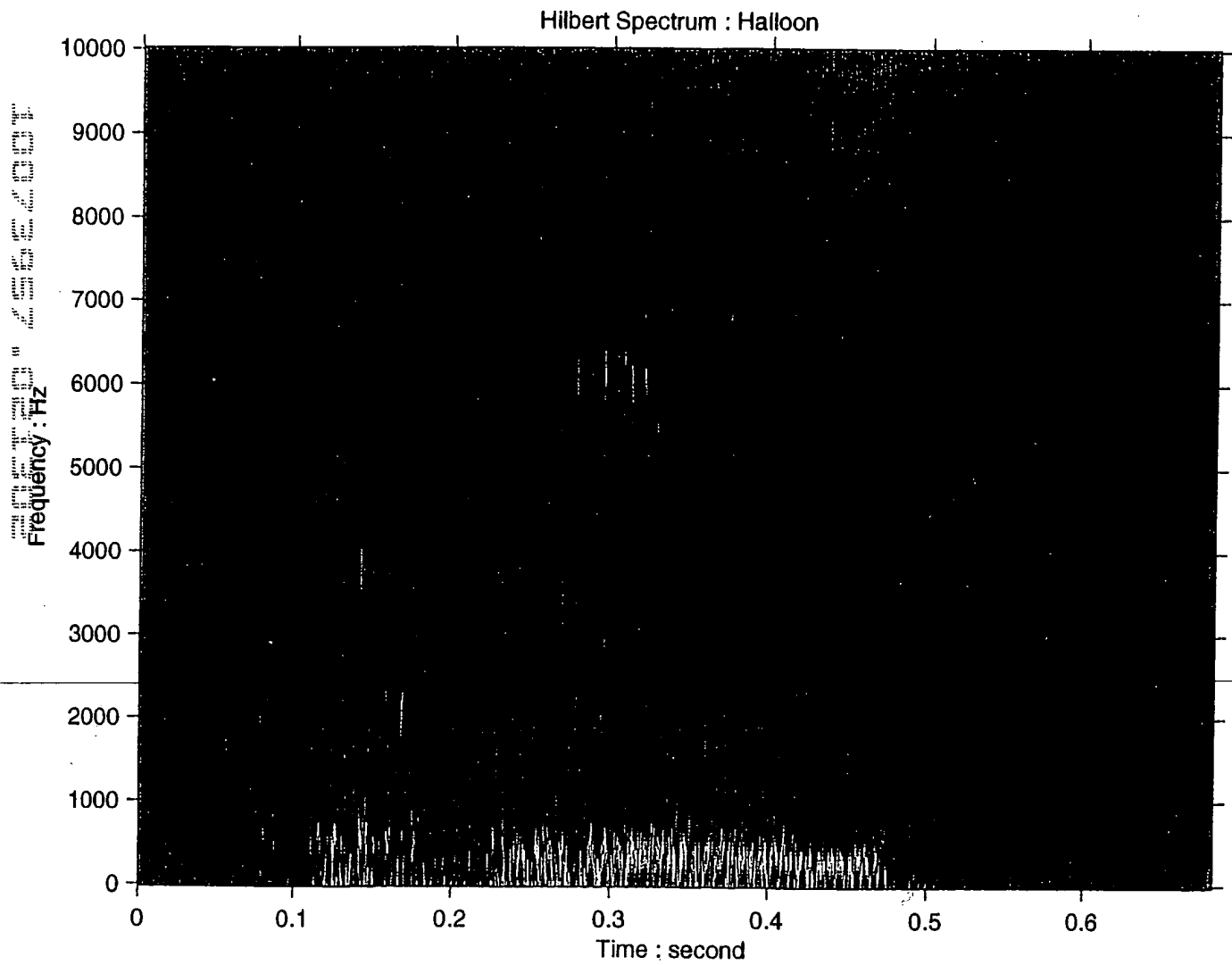


FIG. 47(b)

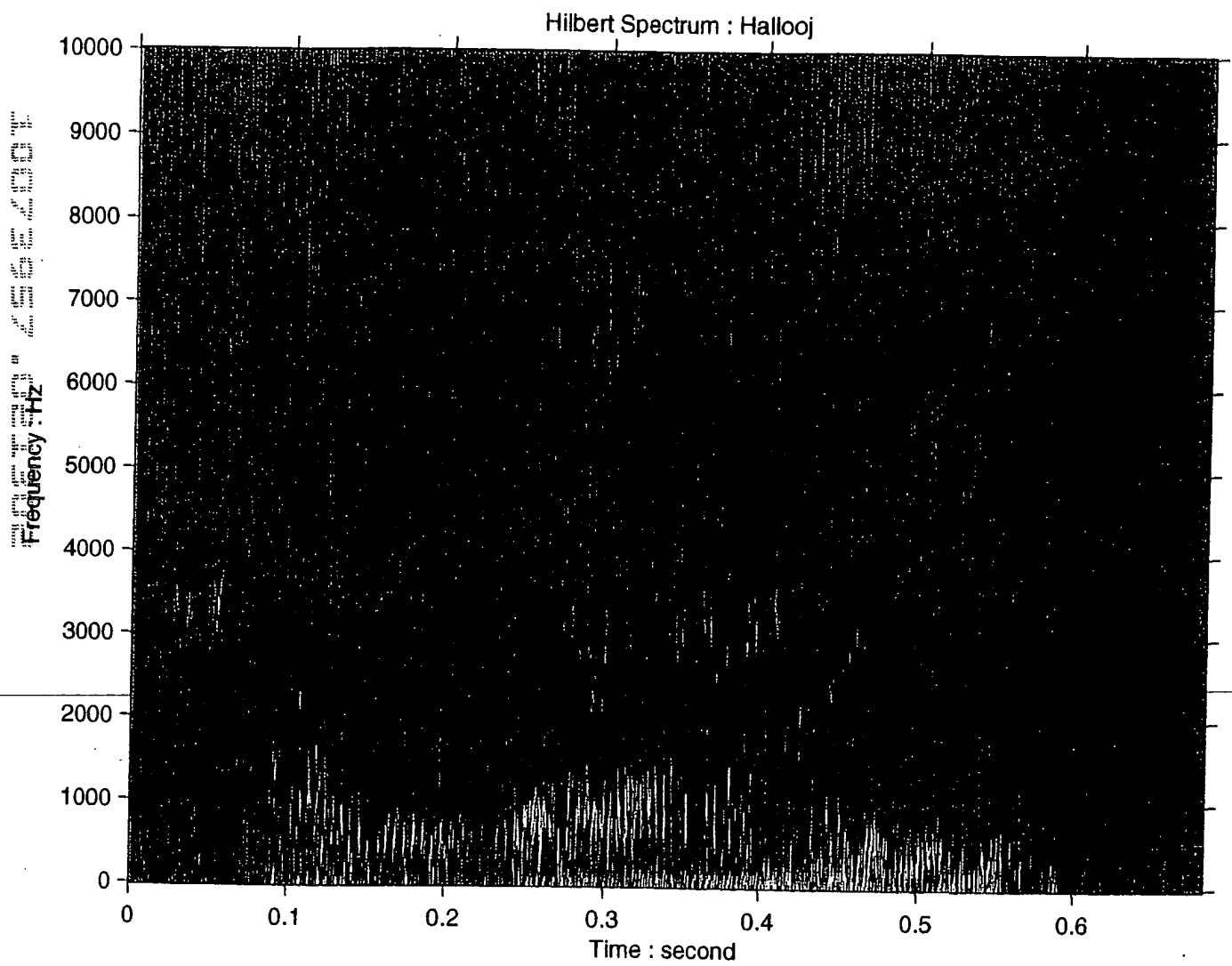


FIG. 48(a)

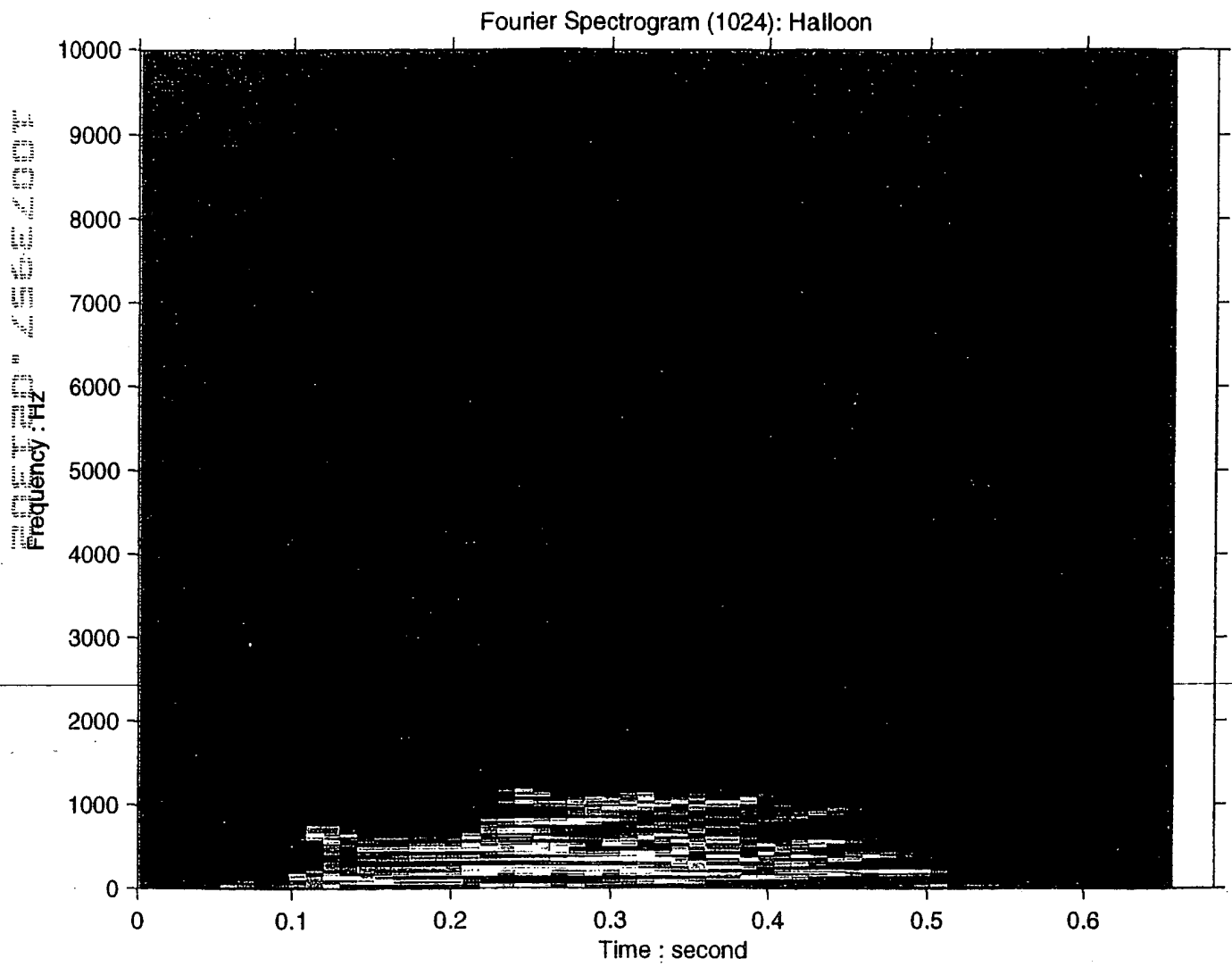


FIG. 48(b)

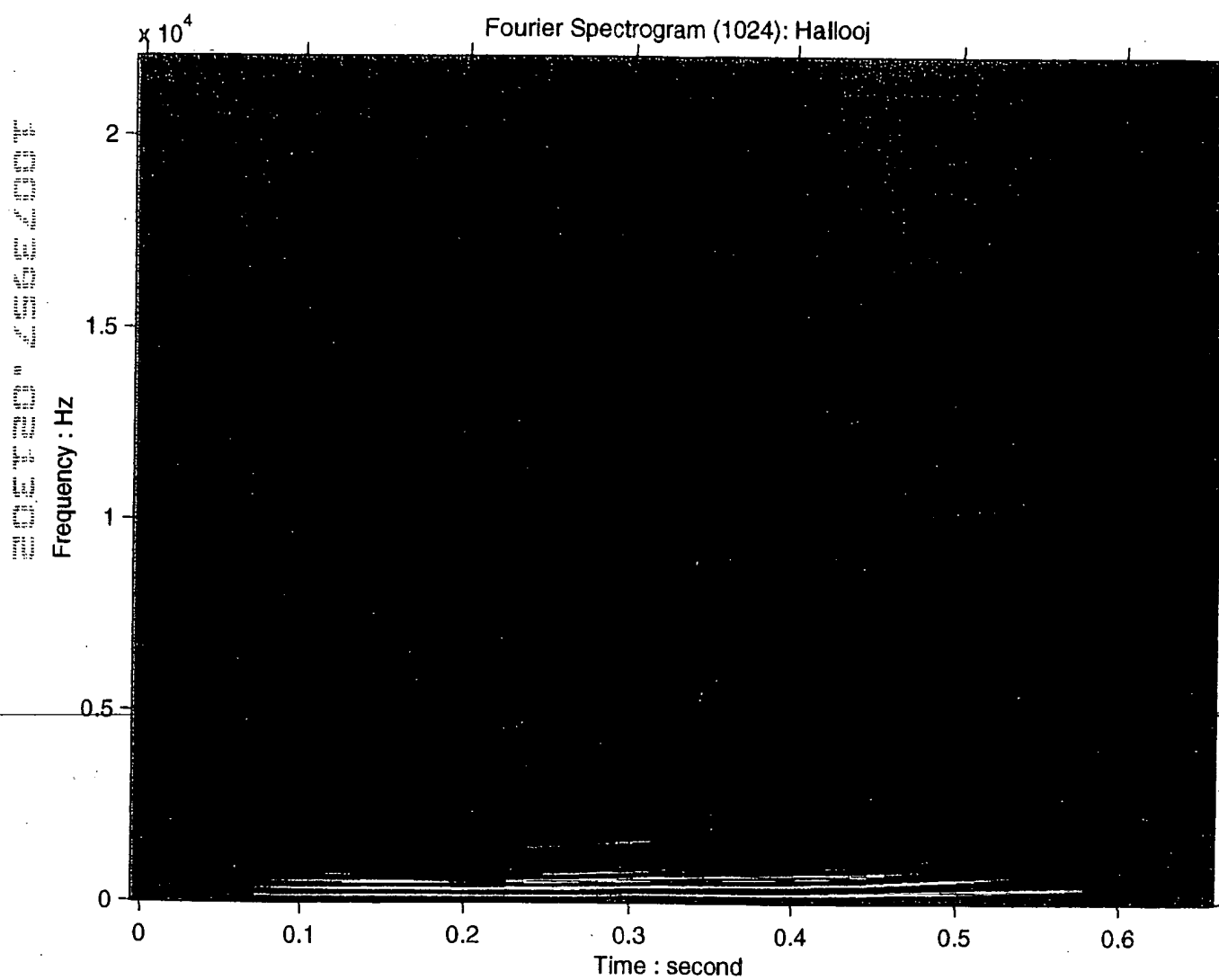


FIG. 49(a)

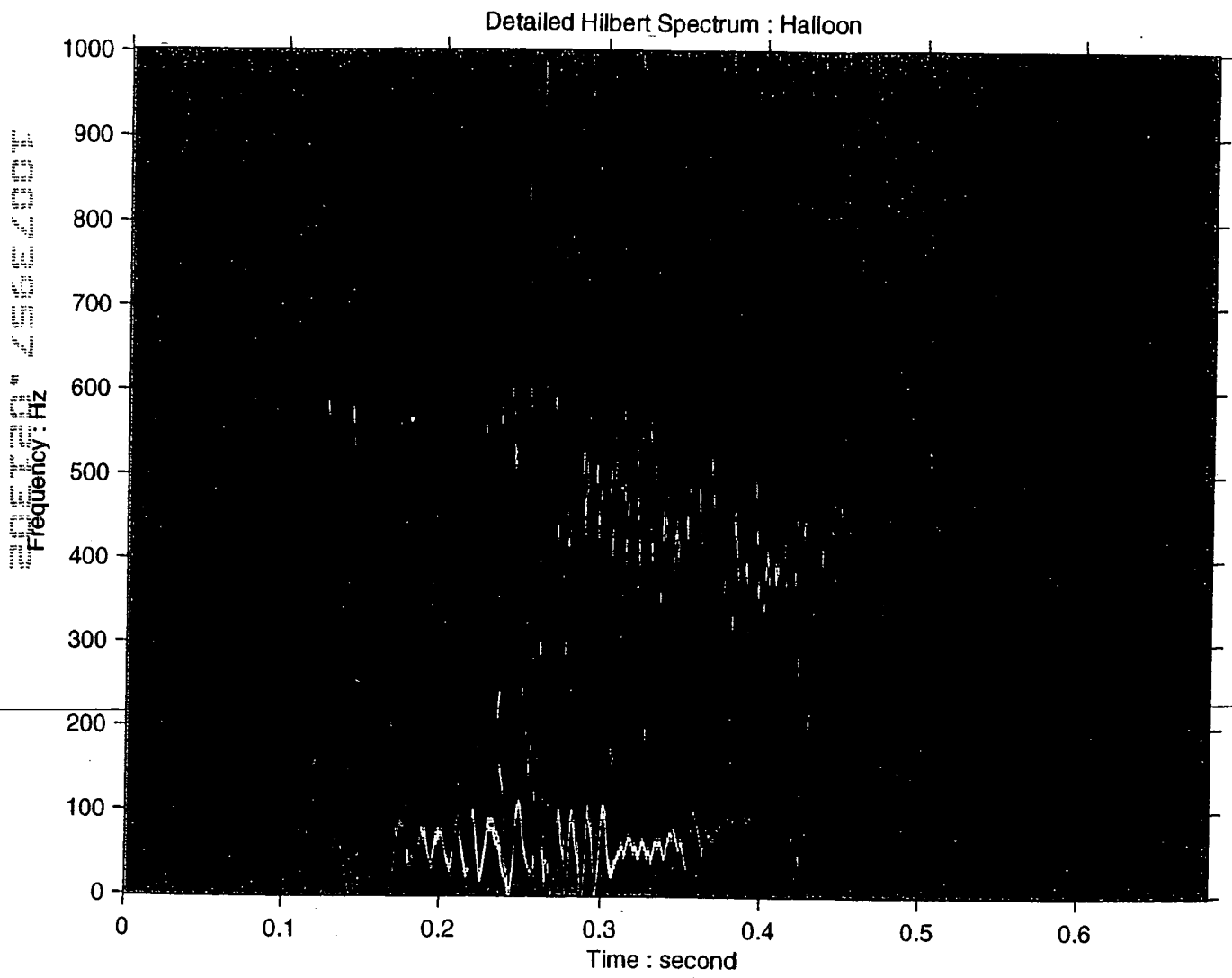


FIG. 49(b)

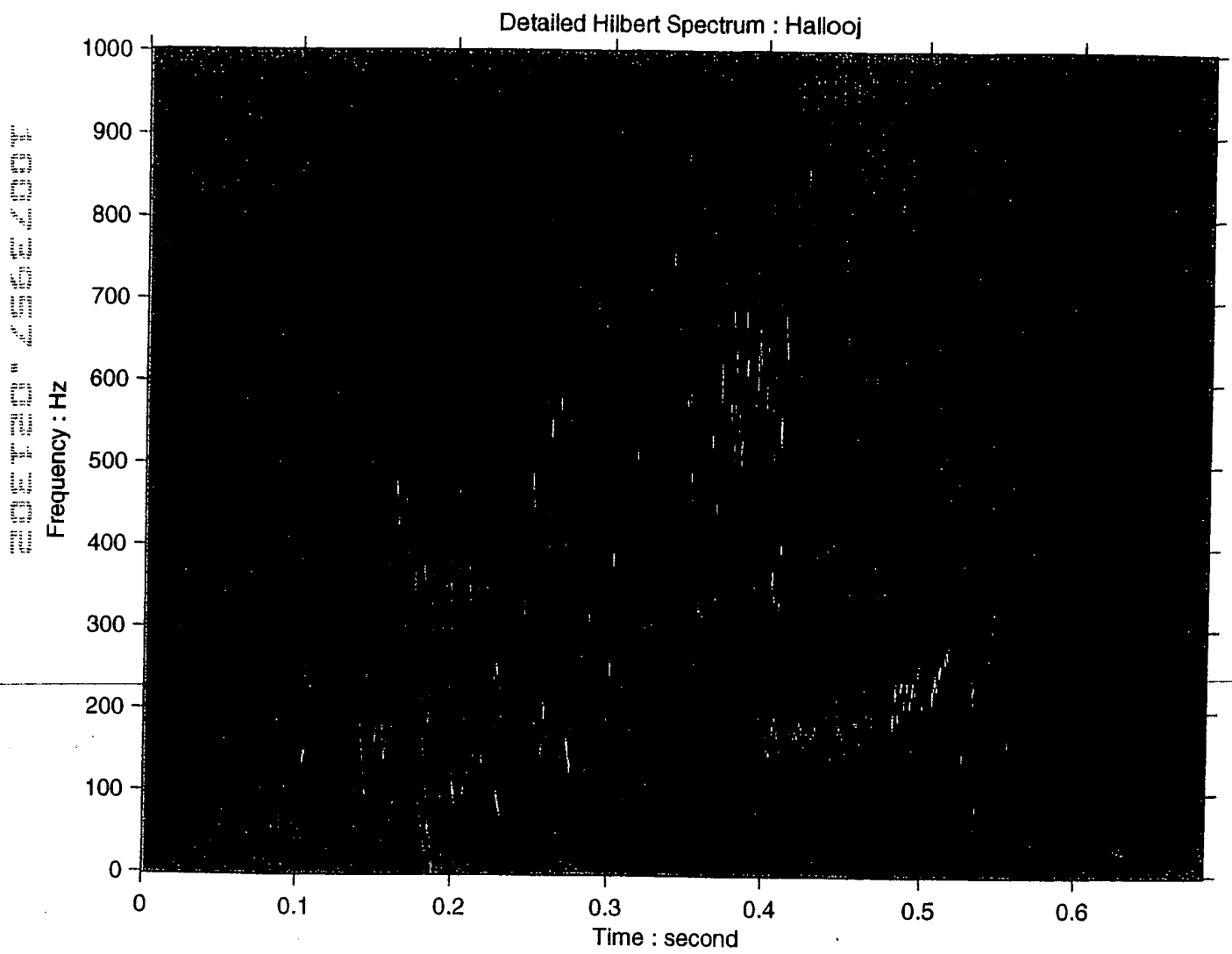


FIG. 50

Fourier Spectrogram (128) : Halloon

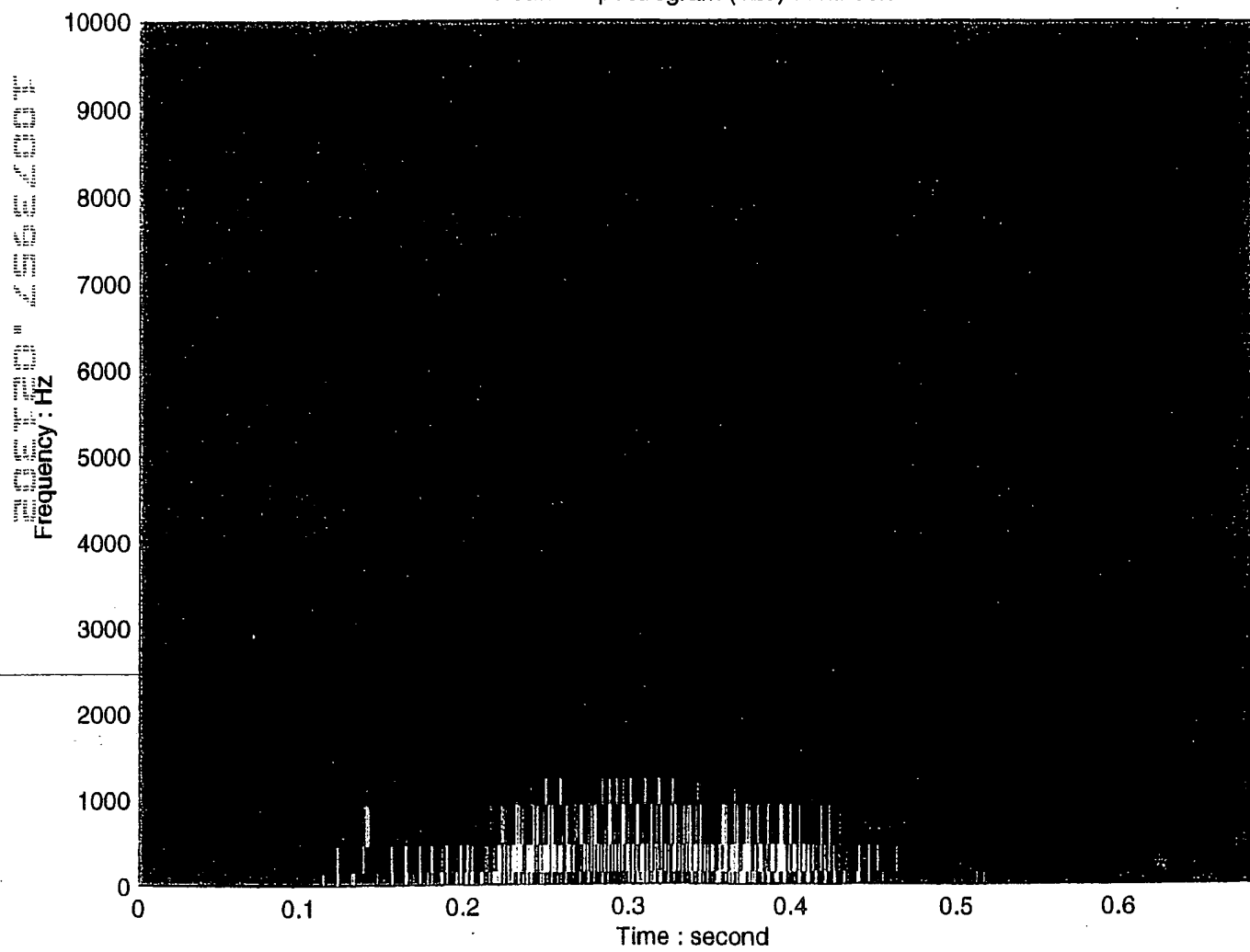


FIG. 51(a)

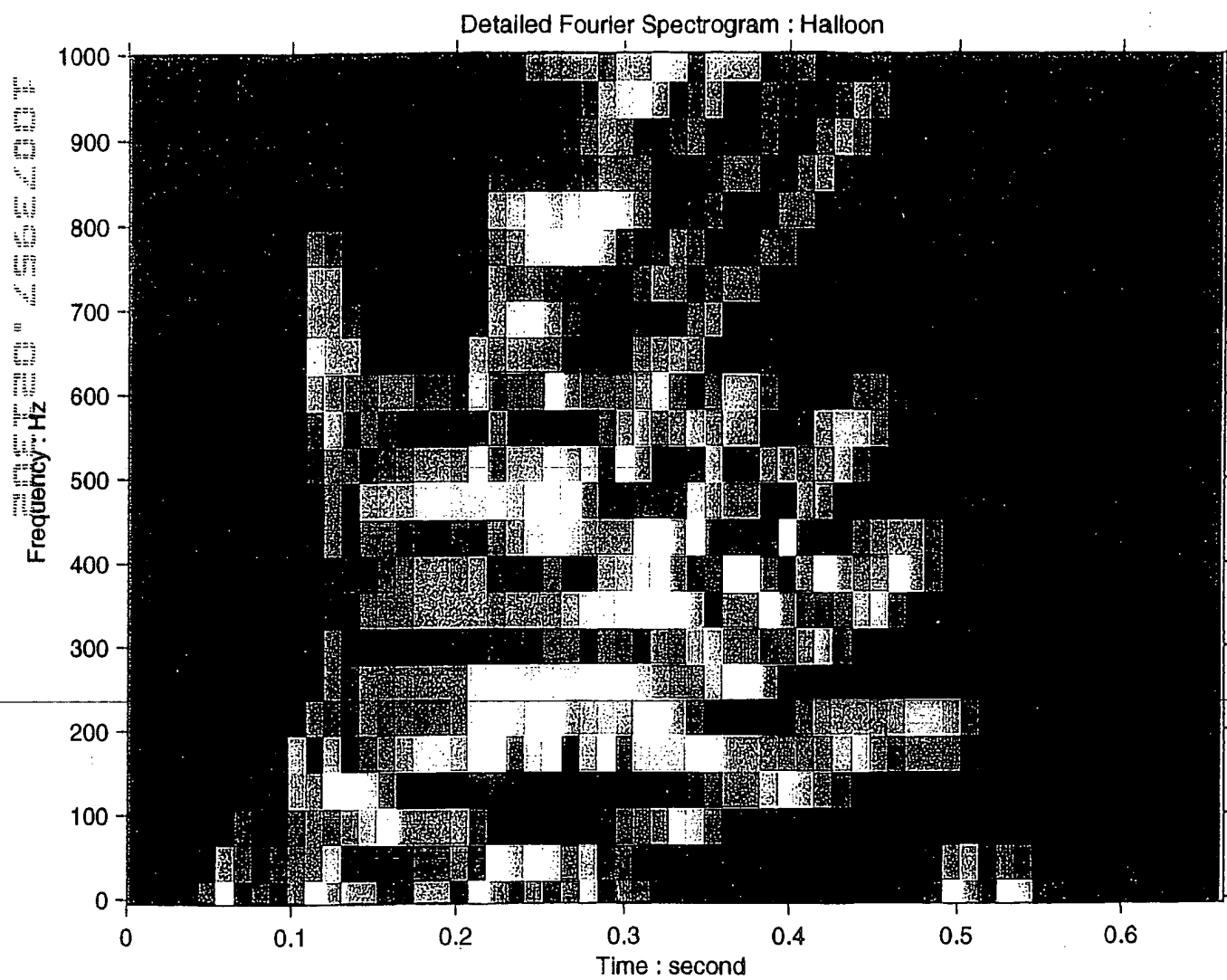


FIG. 51(b)

Detailed Fourier Spectrogram (128) : Halloon

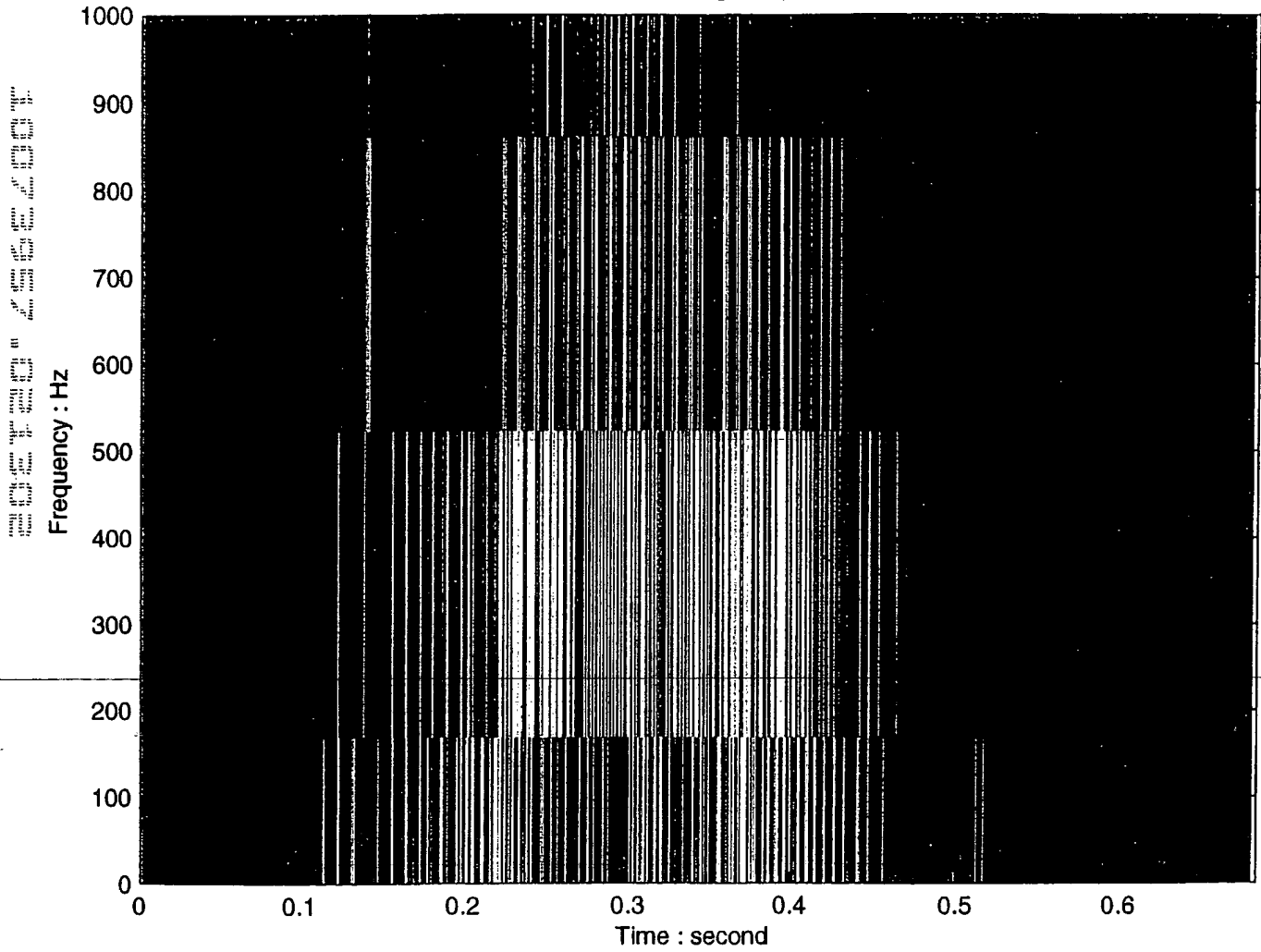


FIG. 52(a)

Detailed Morlet Wavelet Spectrum : Halloon

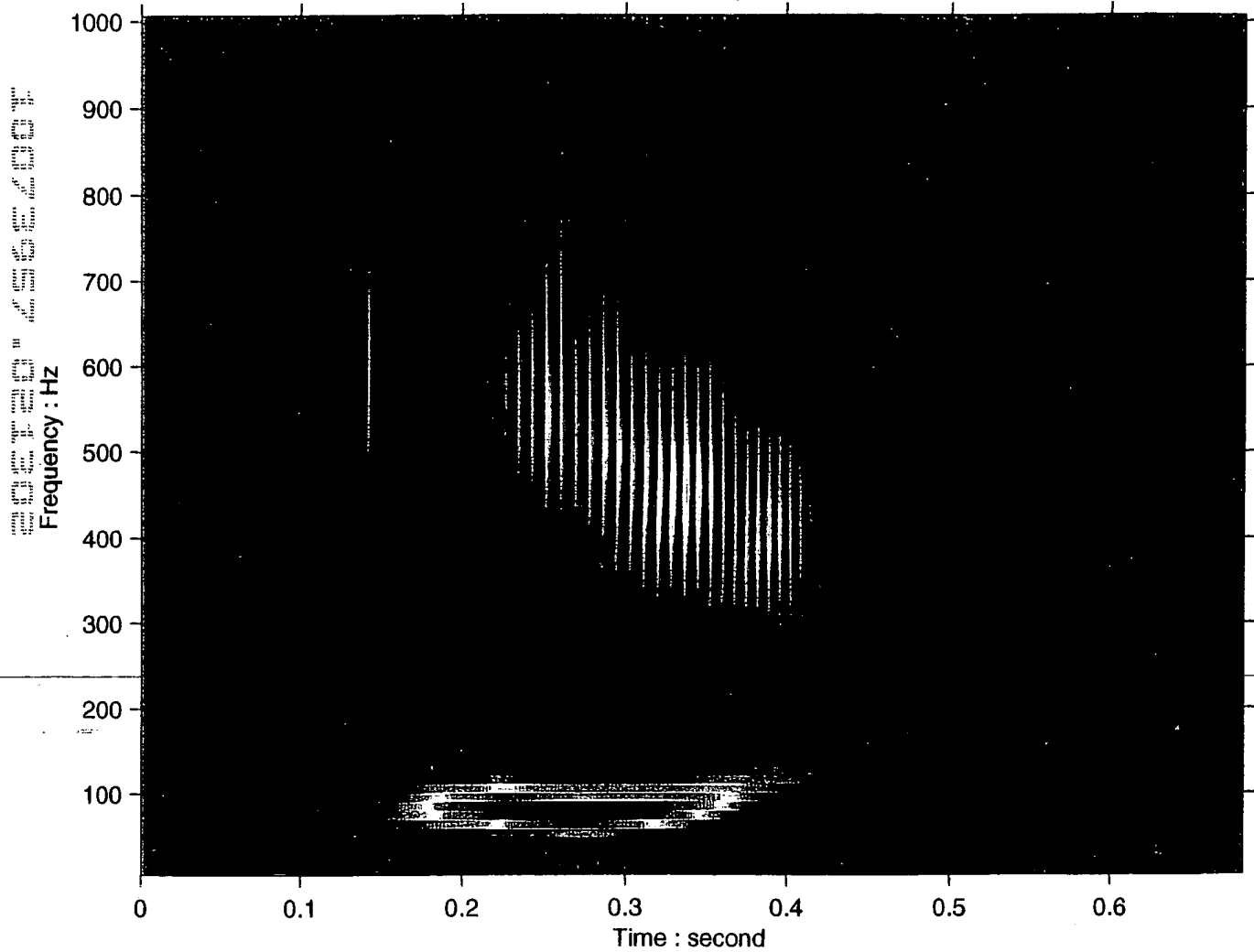


FIG. 52(b)

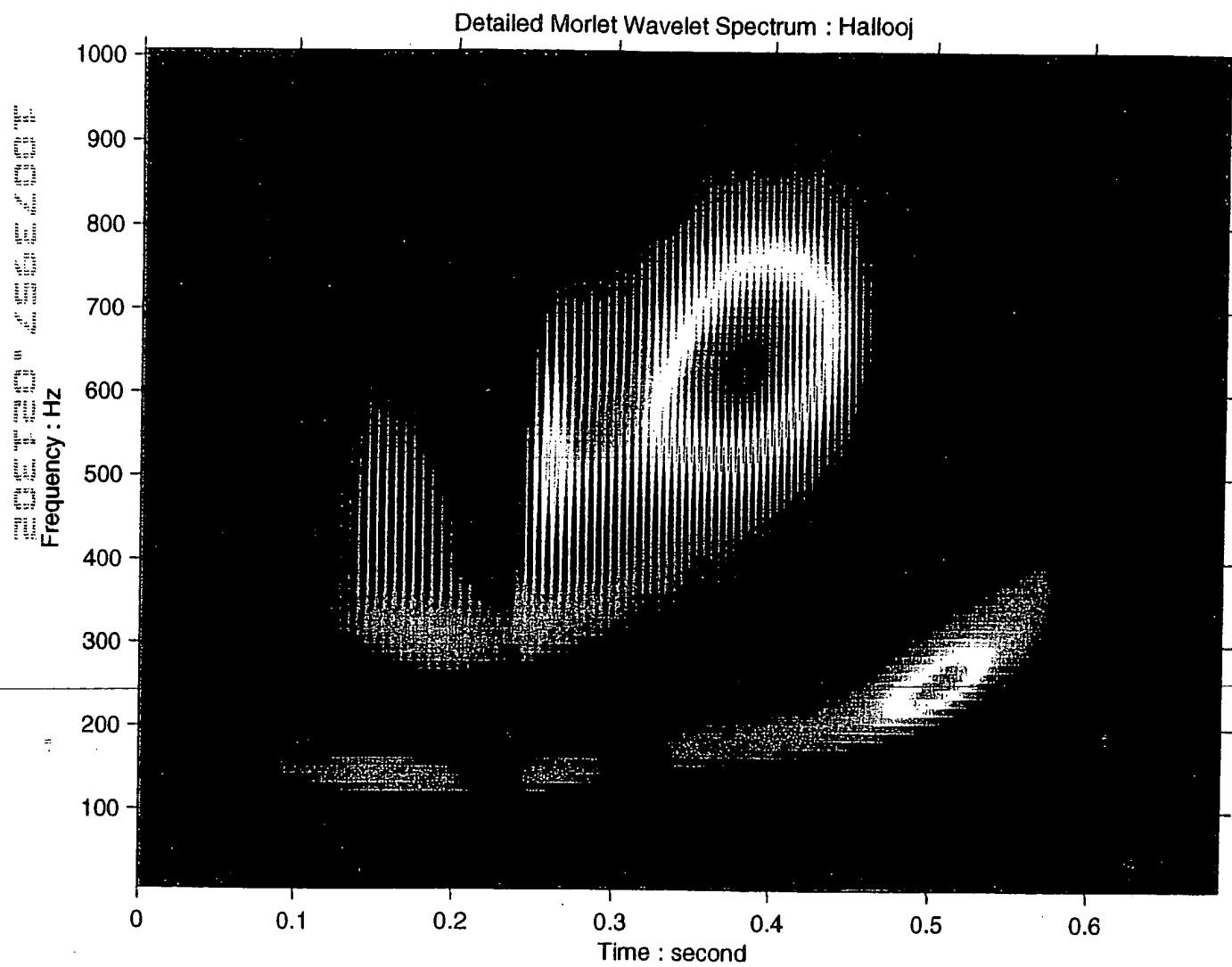


FIG. 53(a)

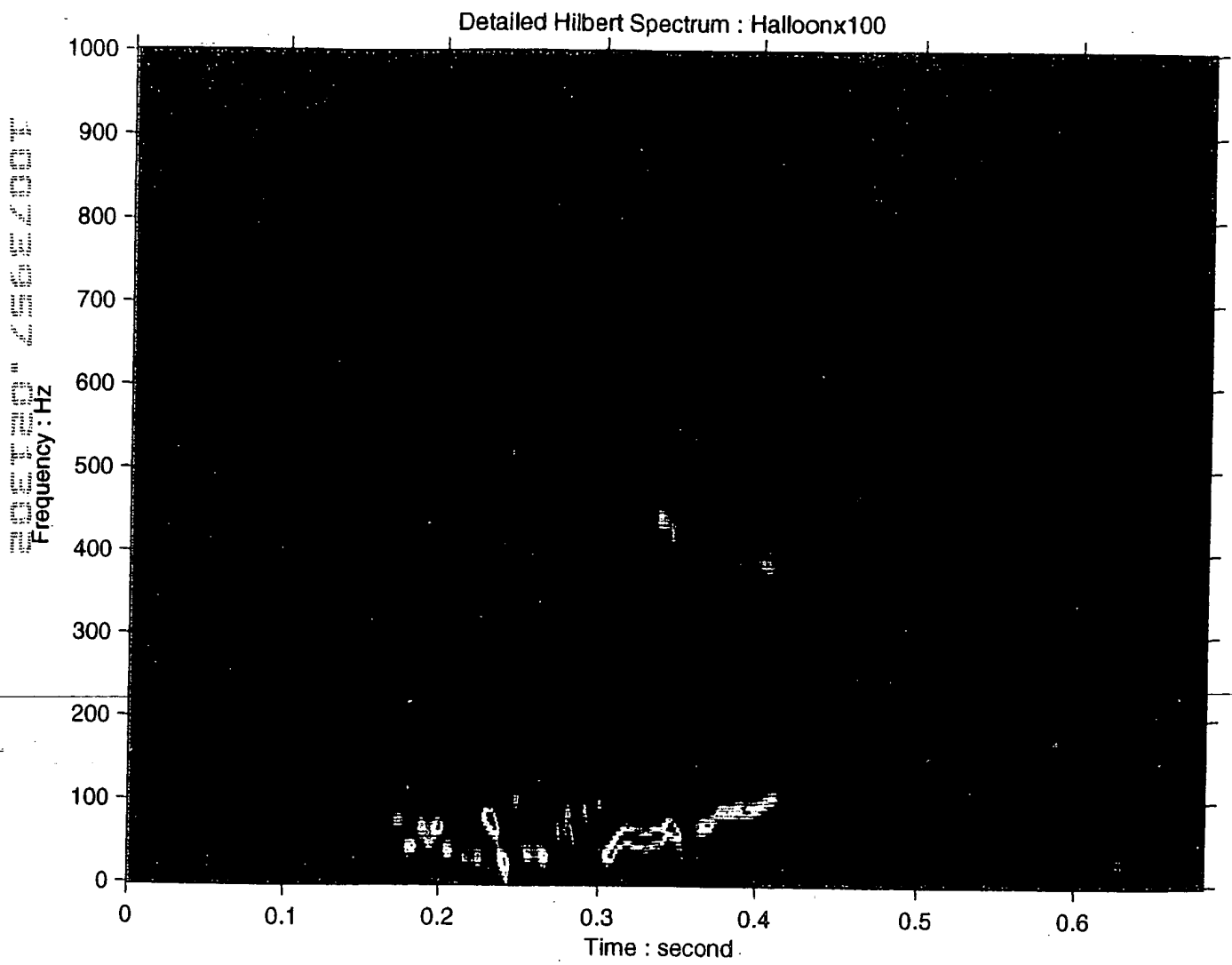


FIG. 53(b)

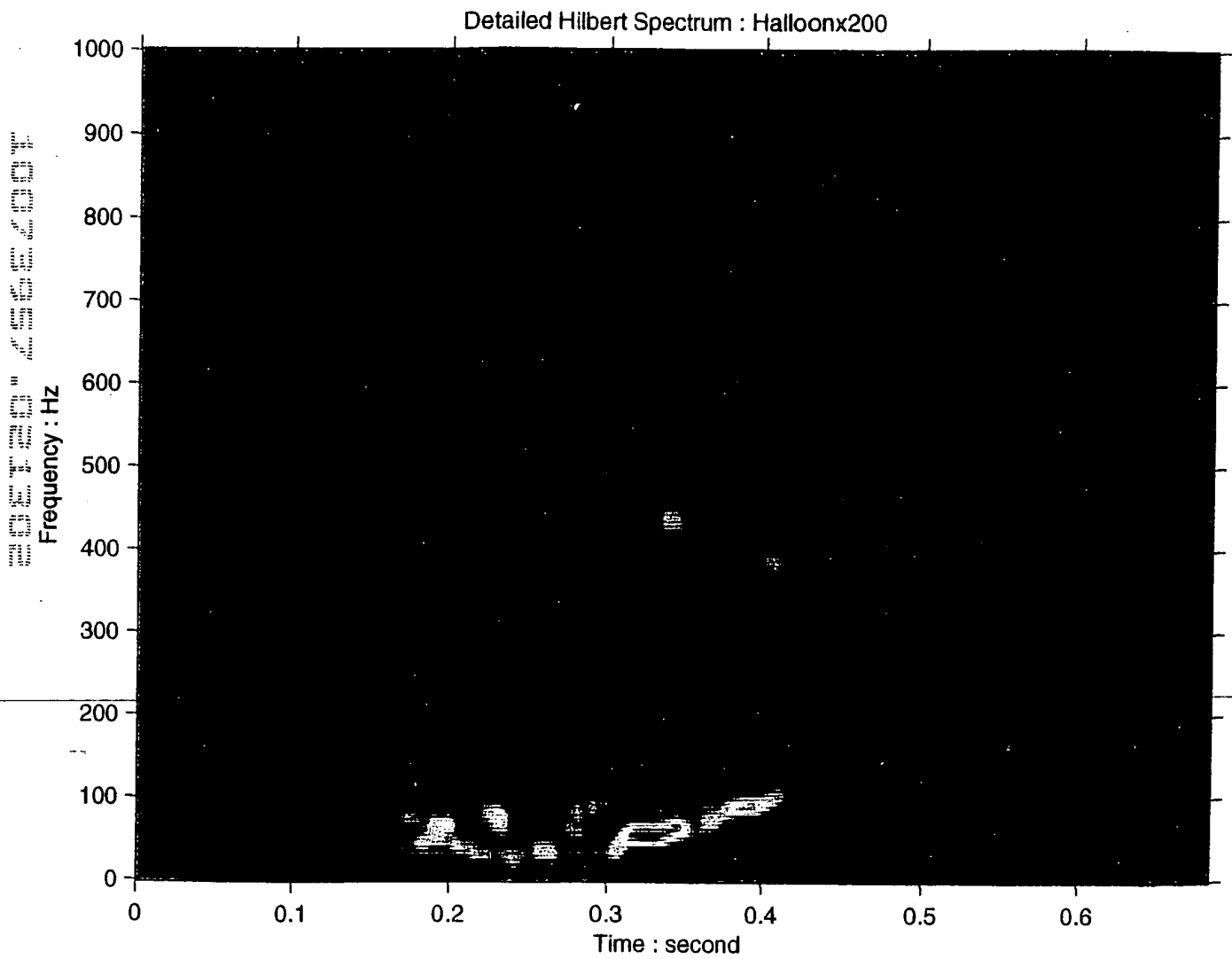


FIG. 54(a)

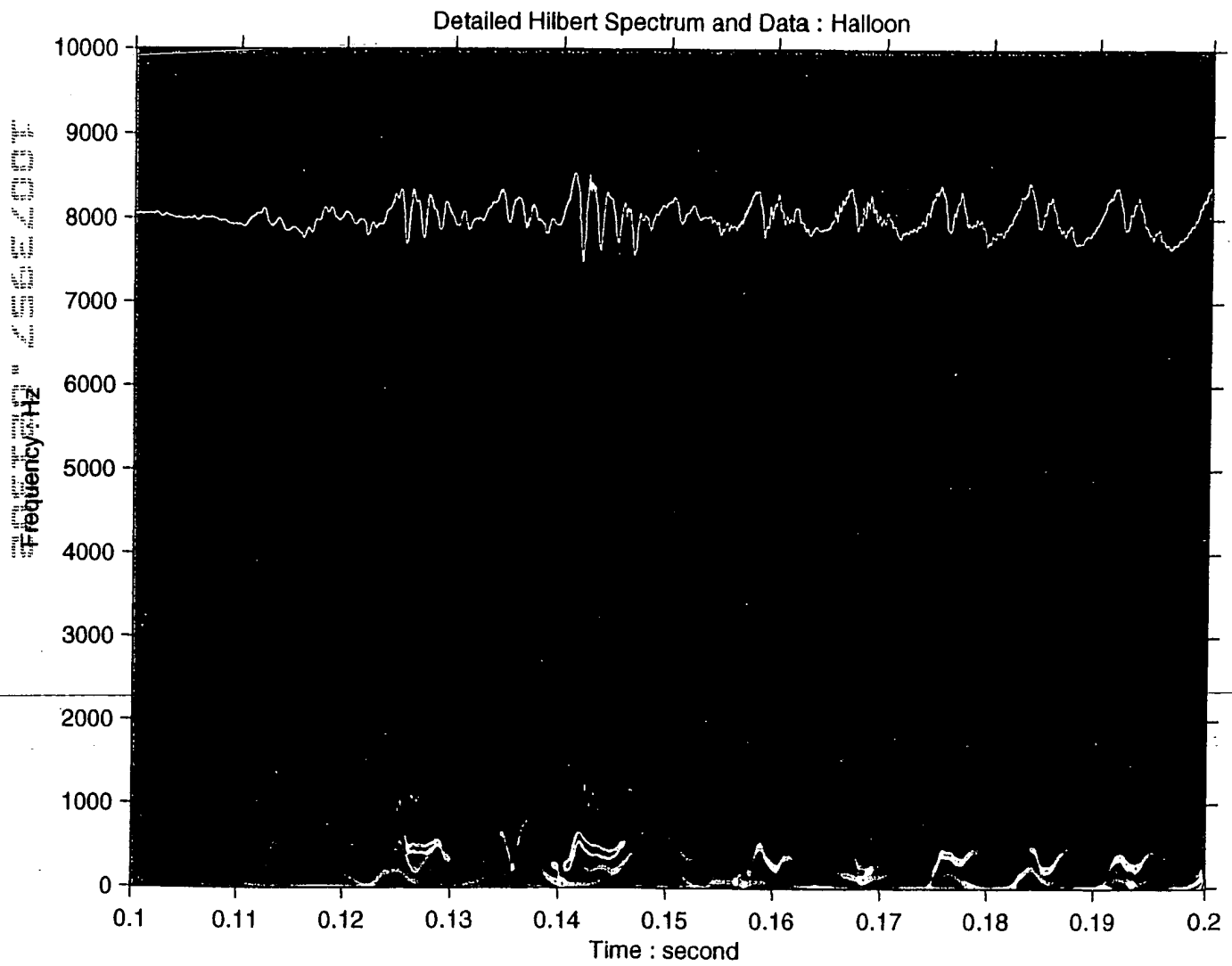


FIG. 54(b)

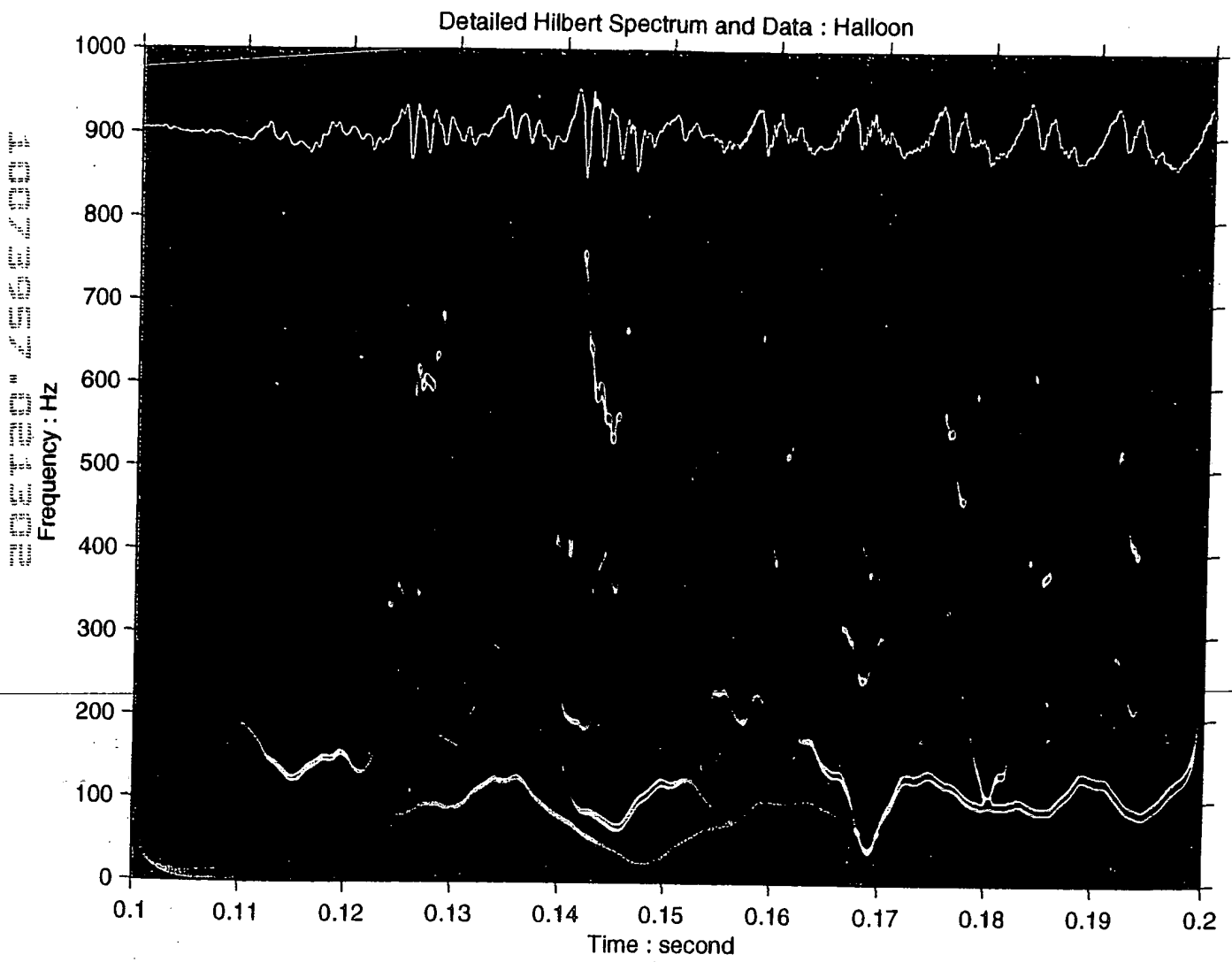


FIG. 55

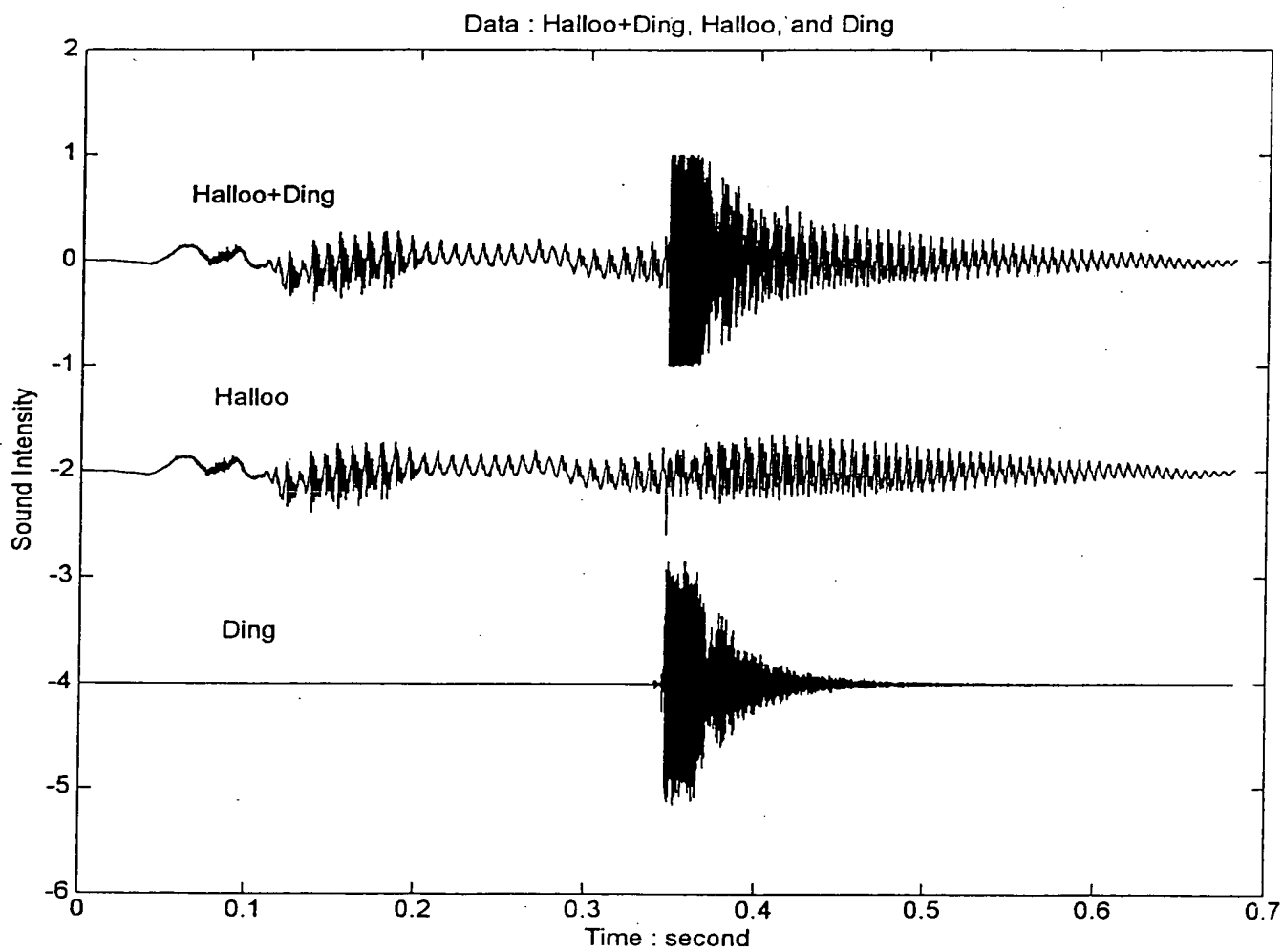


FIG. 56(a)

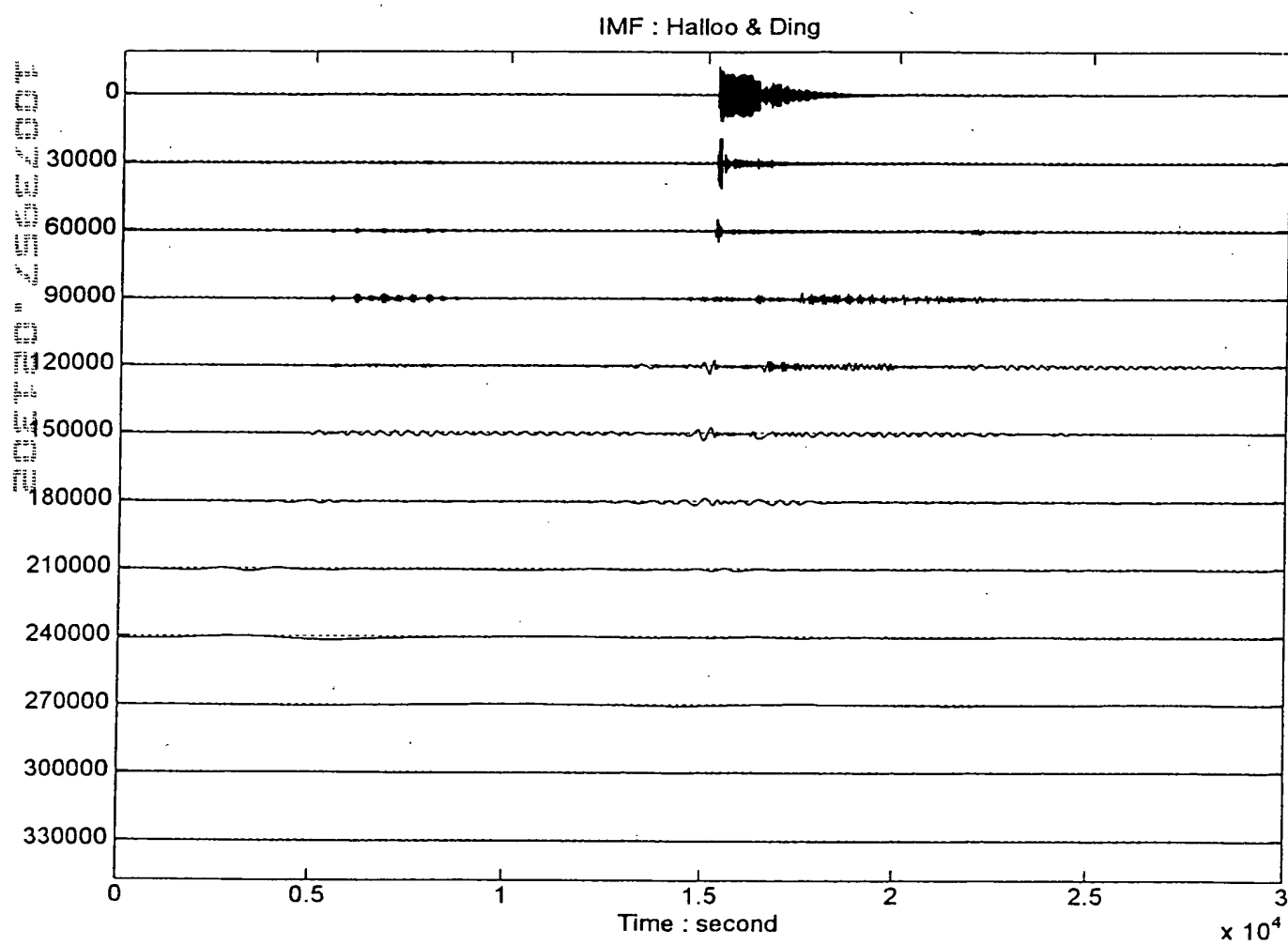


FIG. 56(b)

IMF : Halloo & Ding

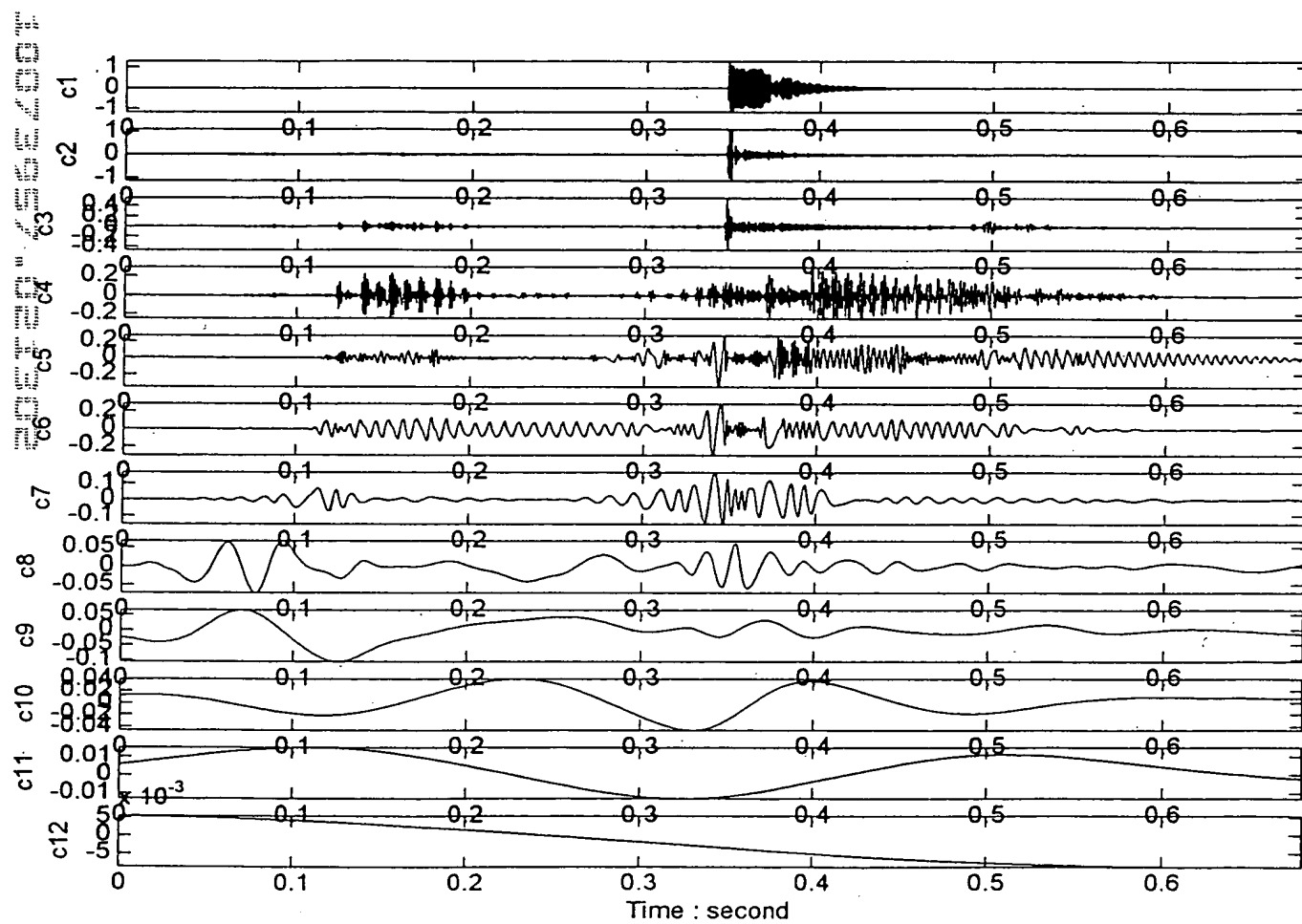


FIG. 57(a)

IMF : Filtered Halloo & Ding

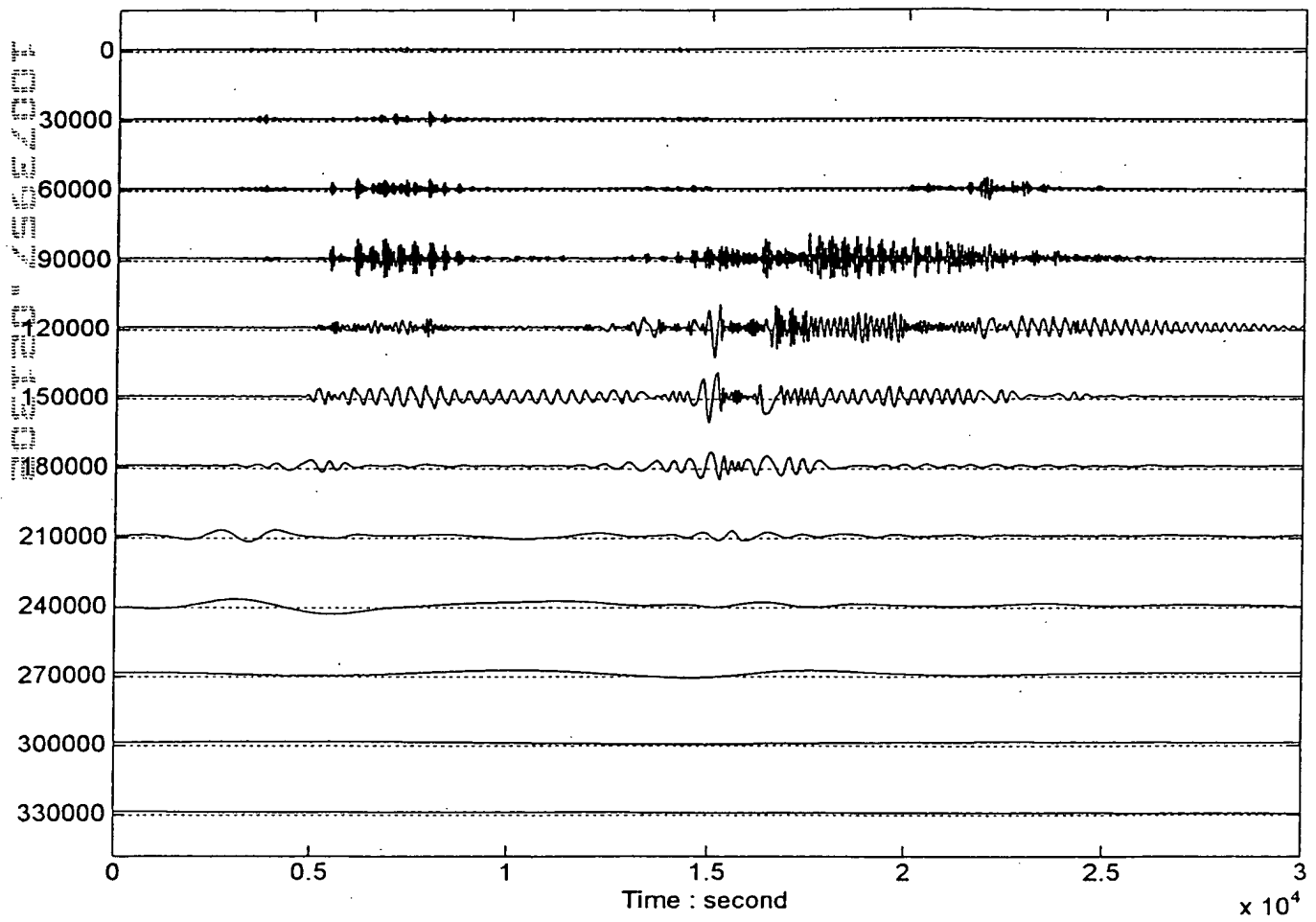


FIG. 57(b)

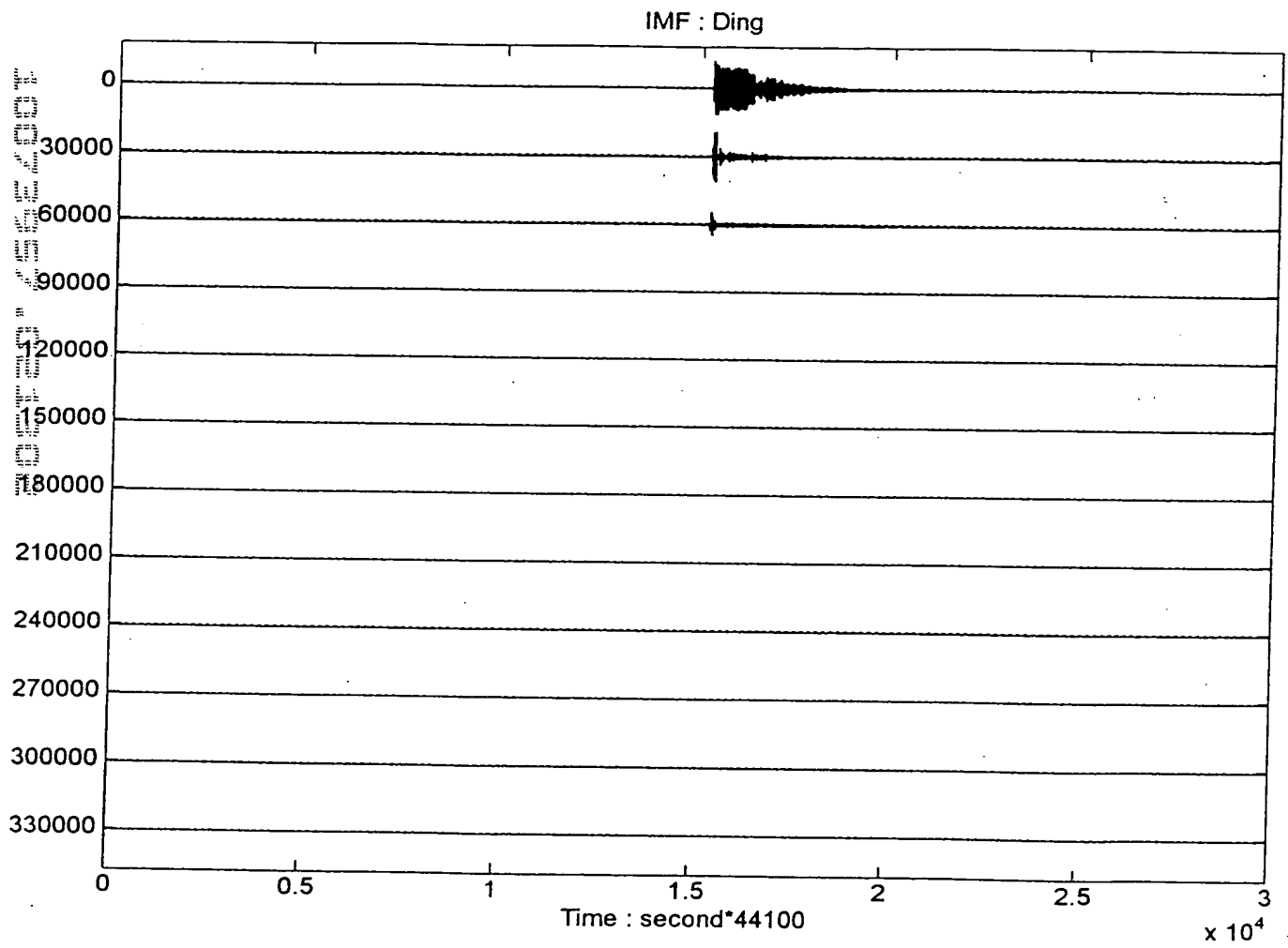


FIG. 58(a)

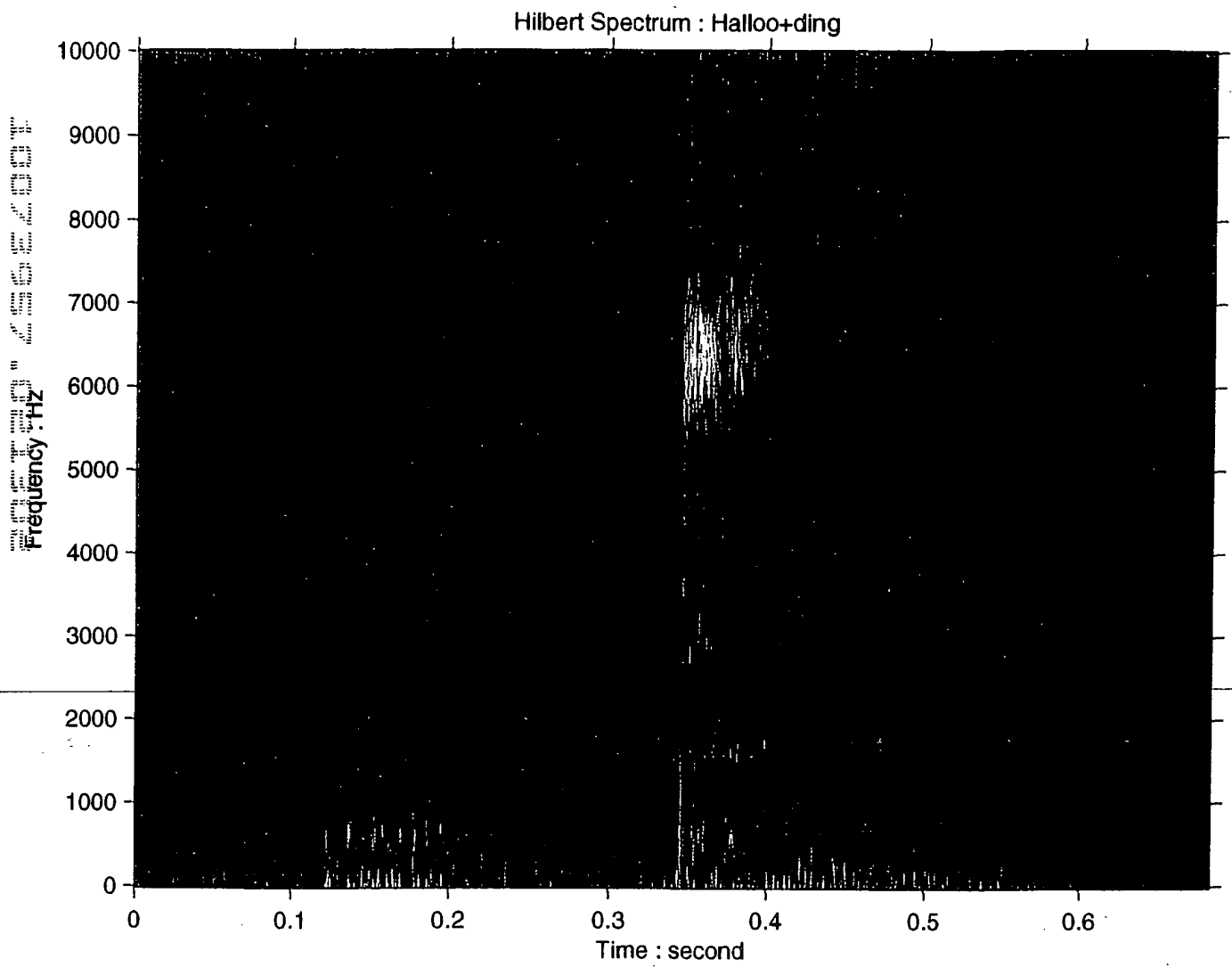


FIG. 58(b)

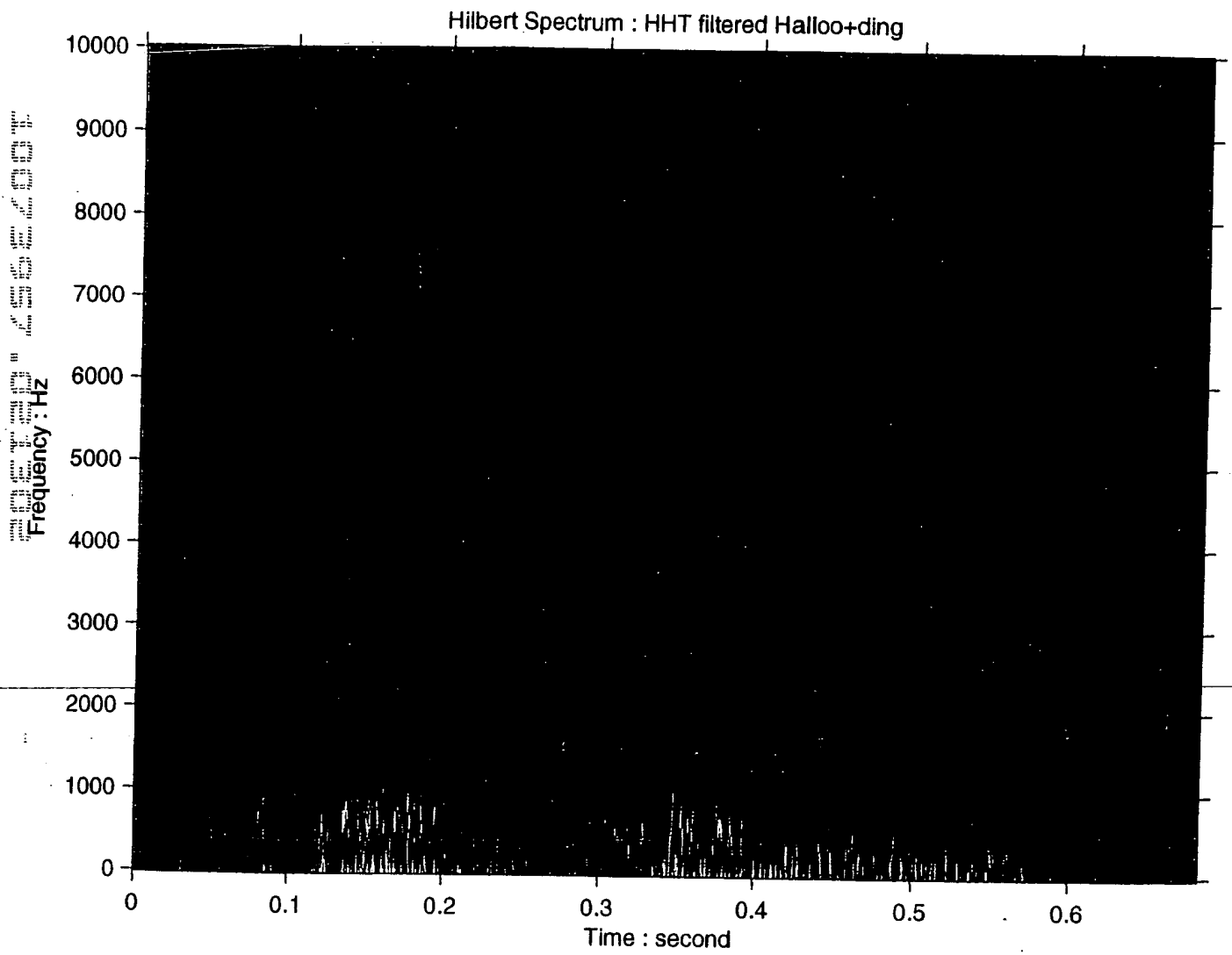


FIG. 59(a)

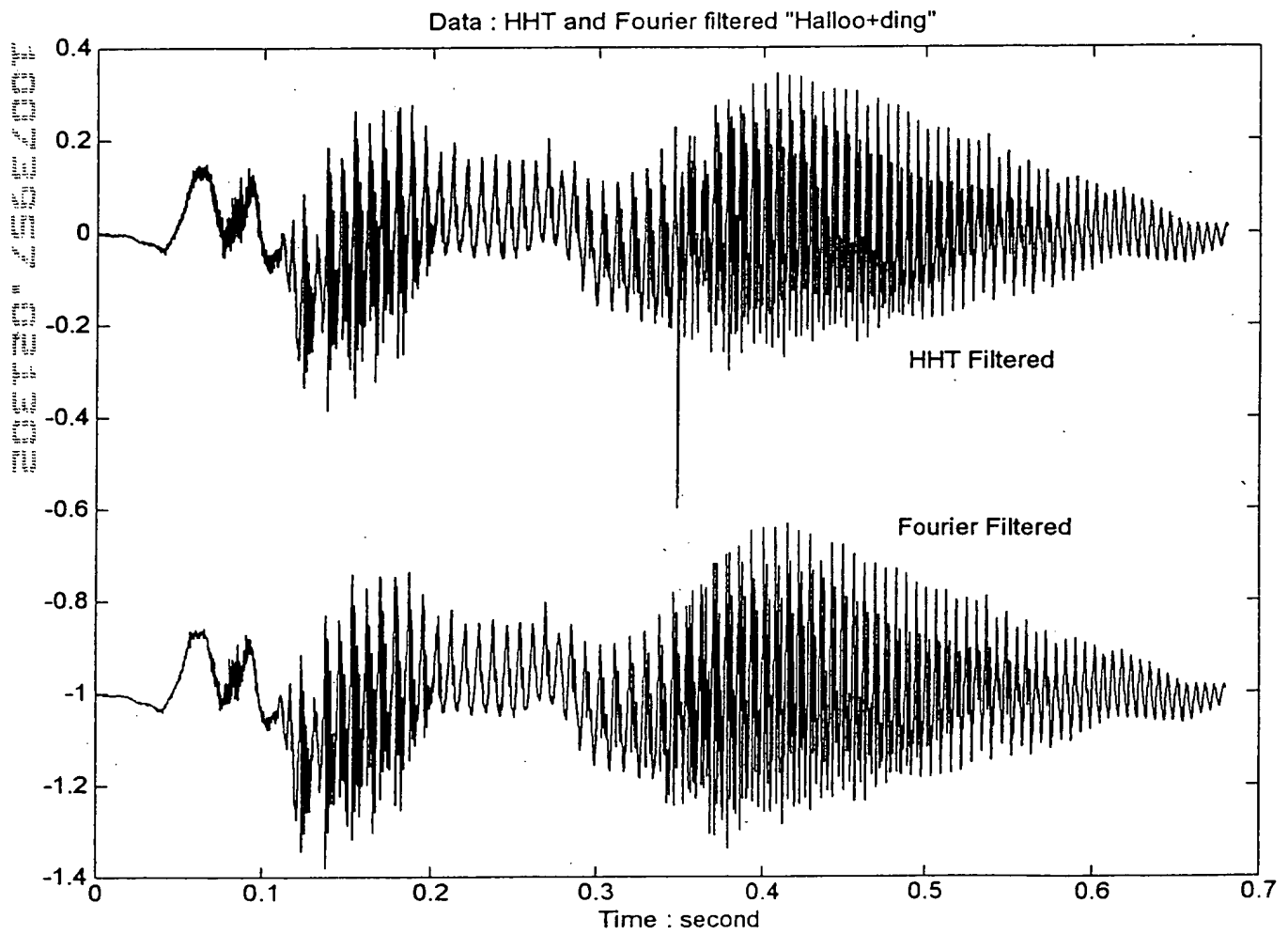


FIG. 59(b)

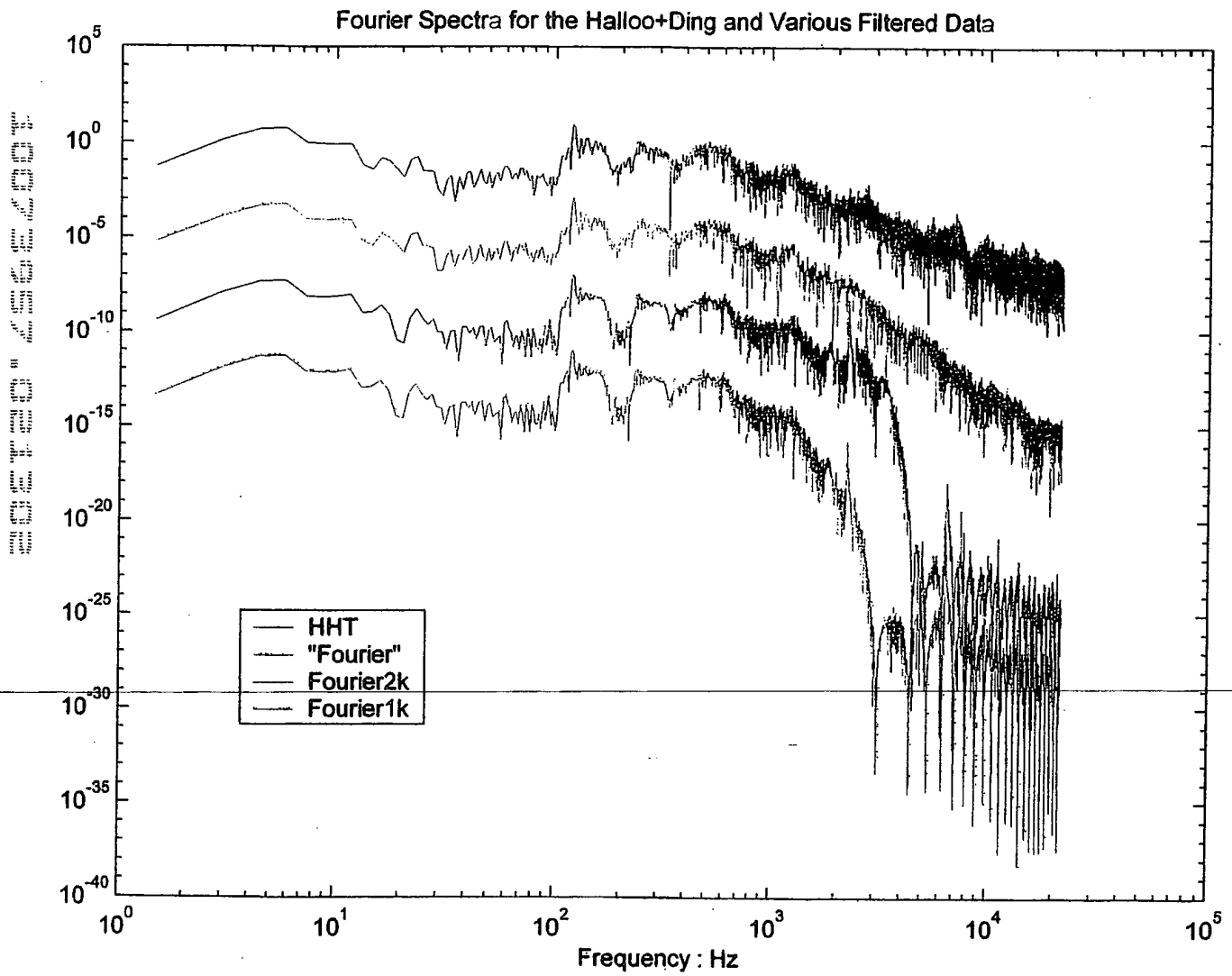


FIG. 60(a)

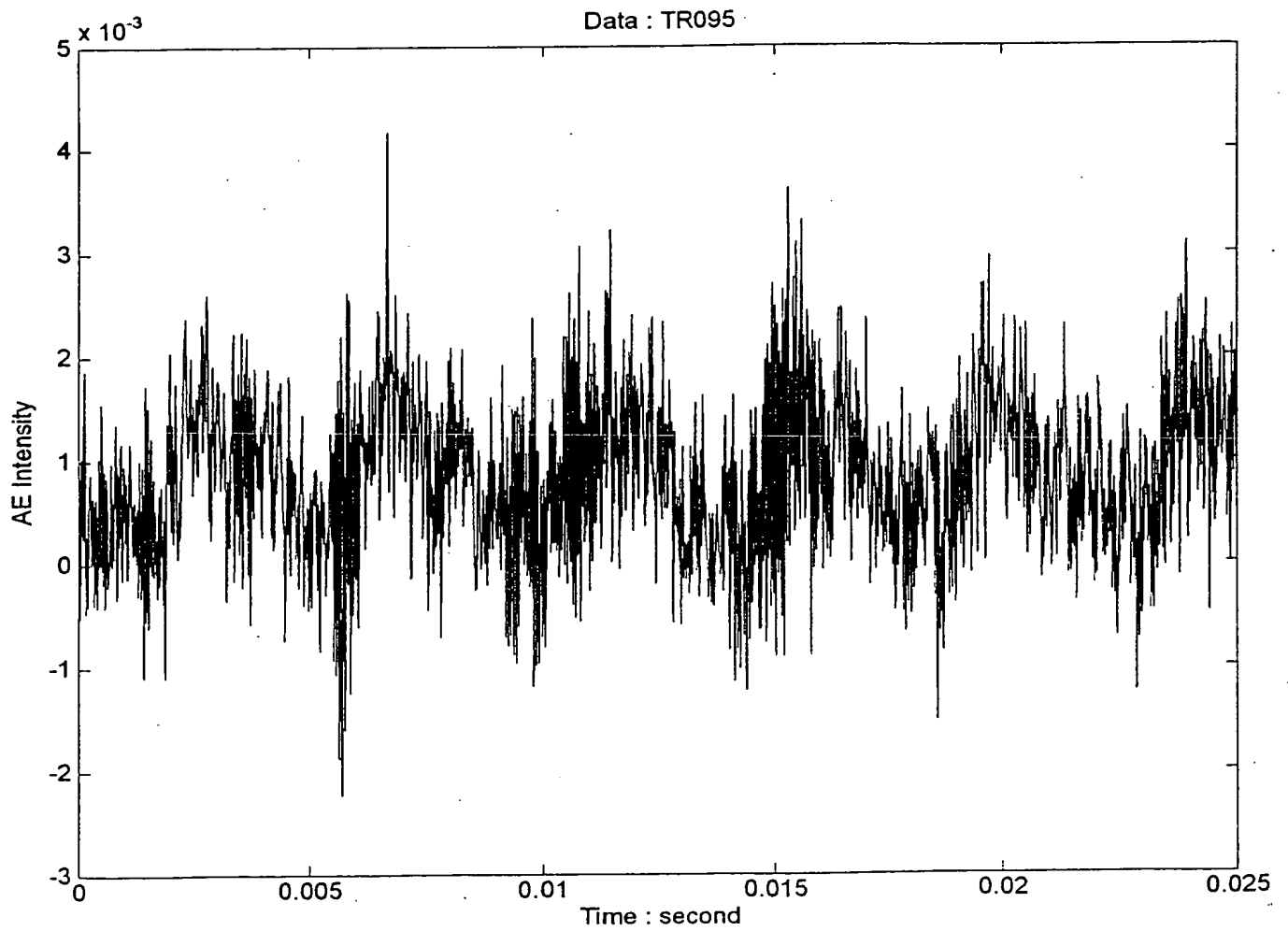


FIG. 60(b)

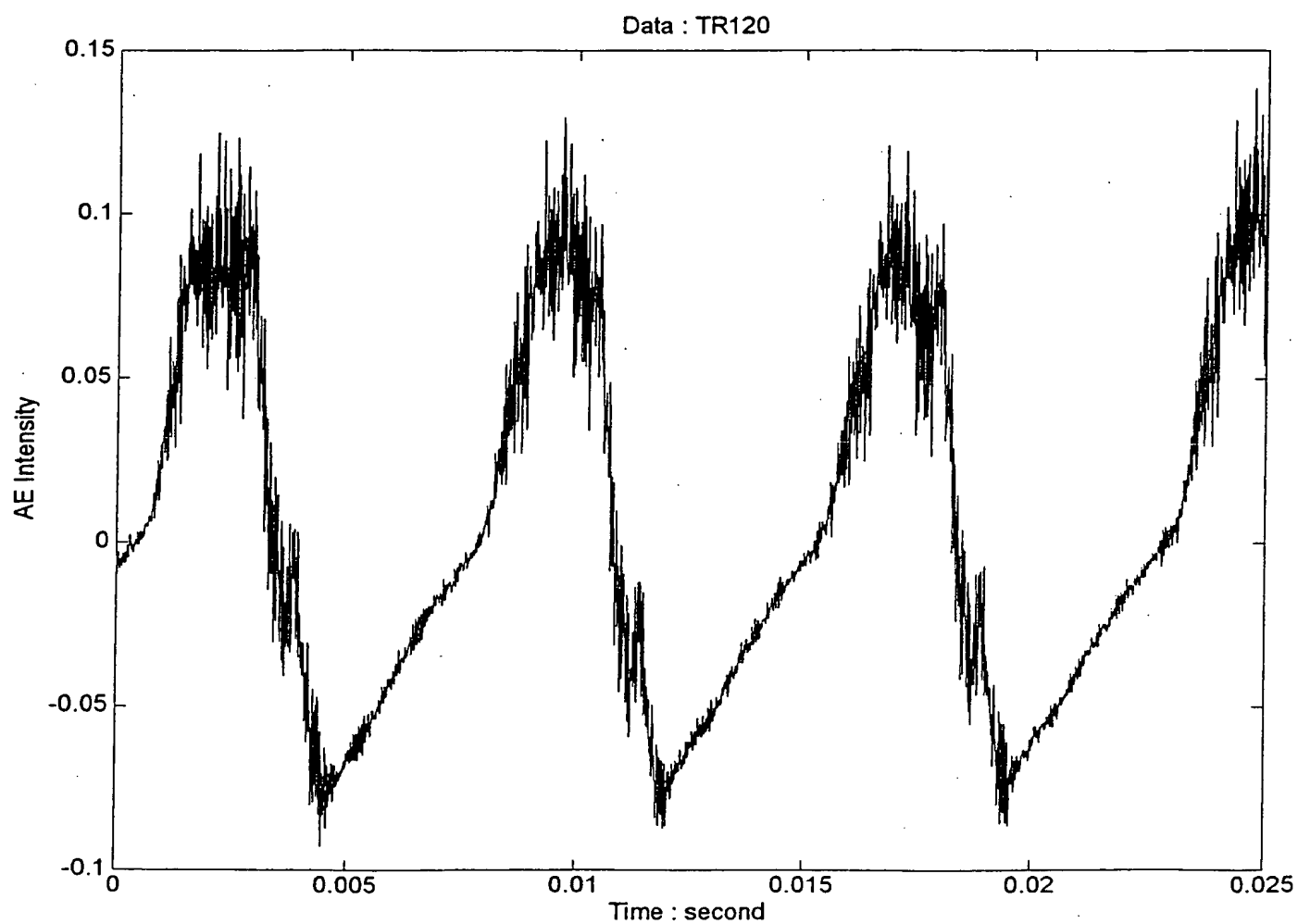


FIG. 60(c)

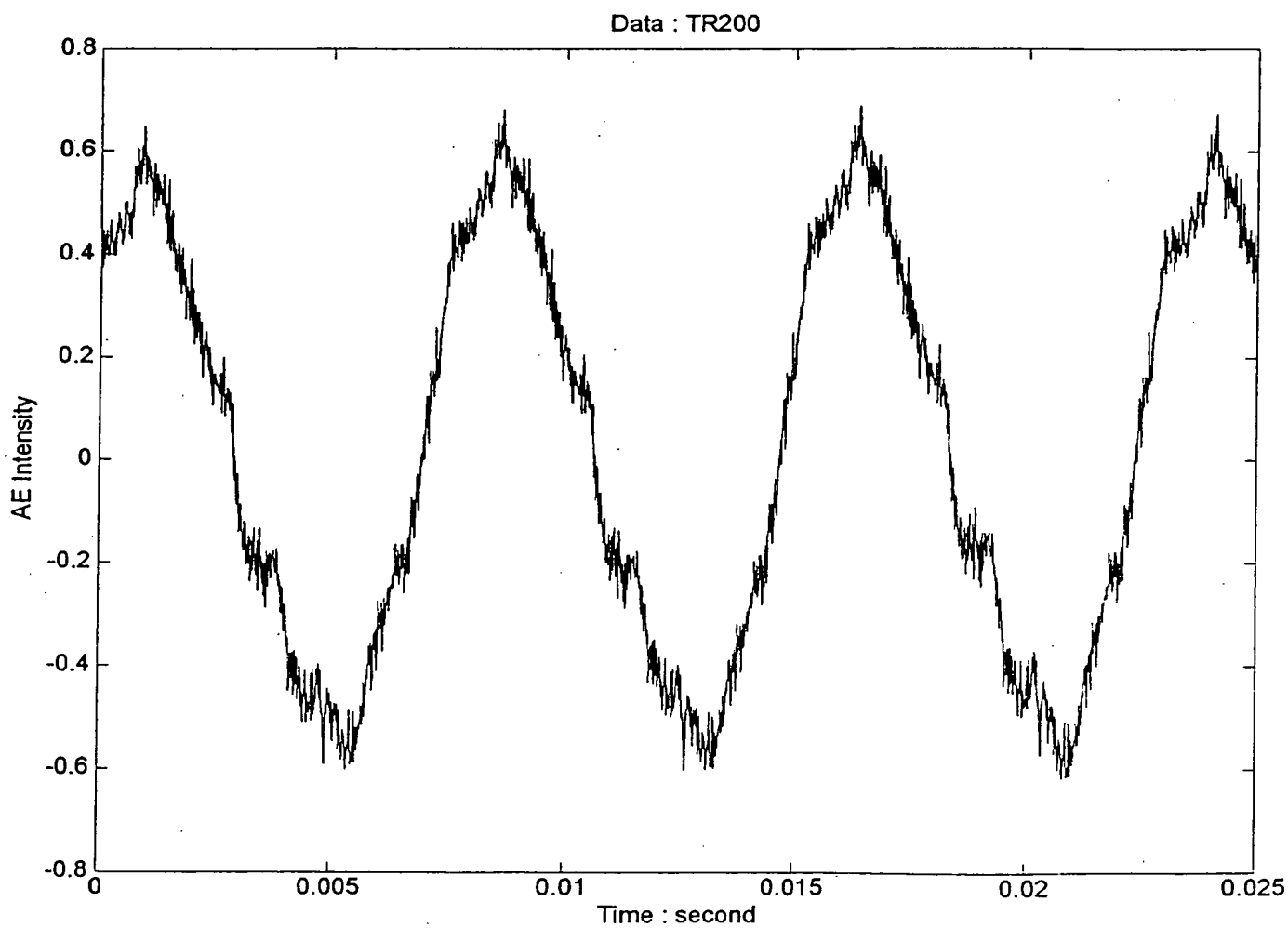


FIG. 61(a)

IMF TR095

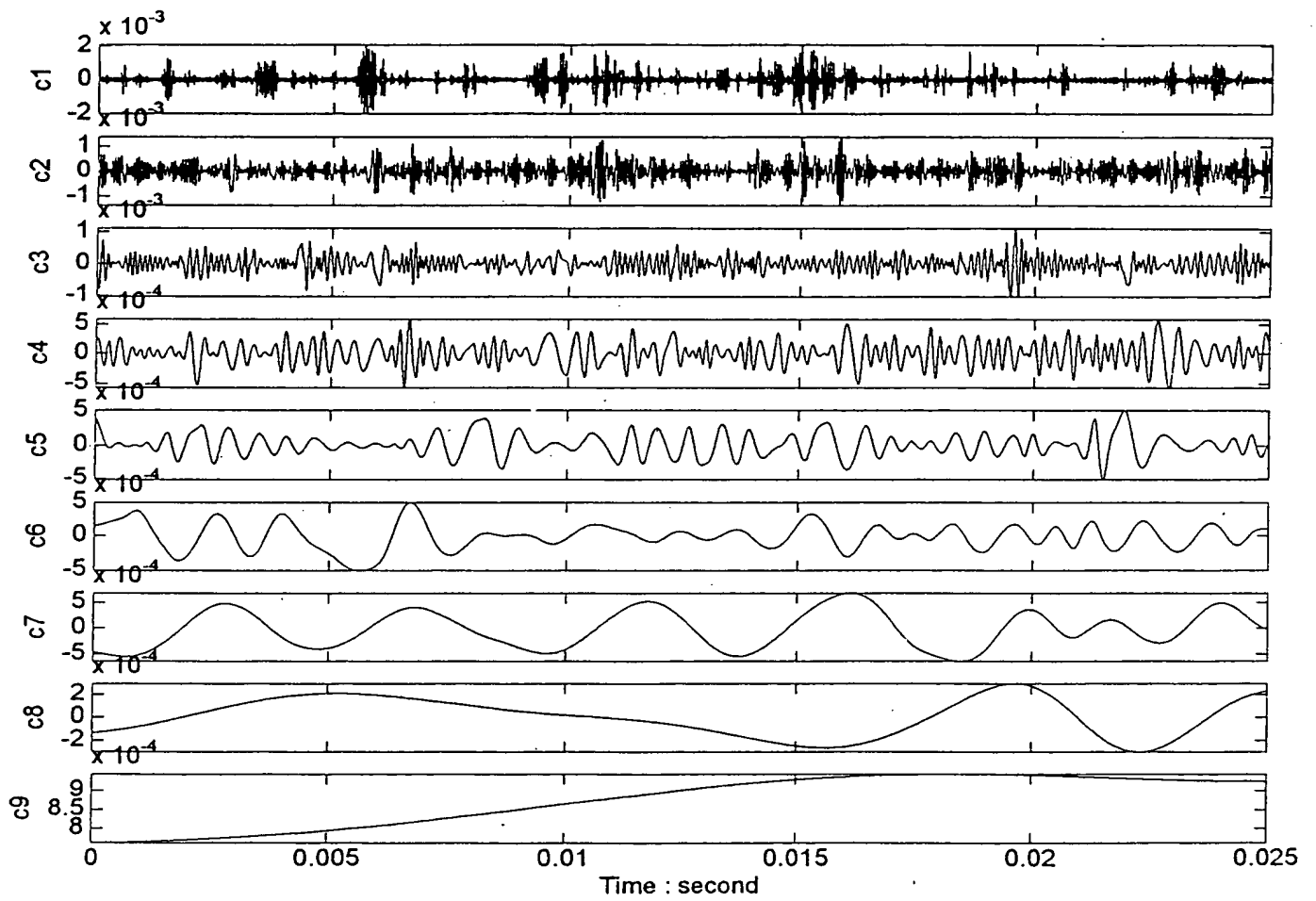


FIG. 61(b)

IMF TR120

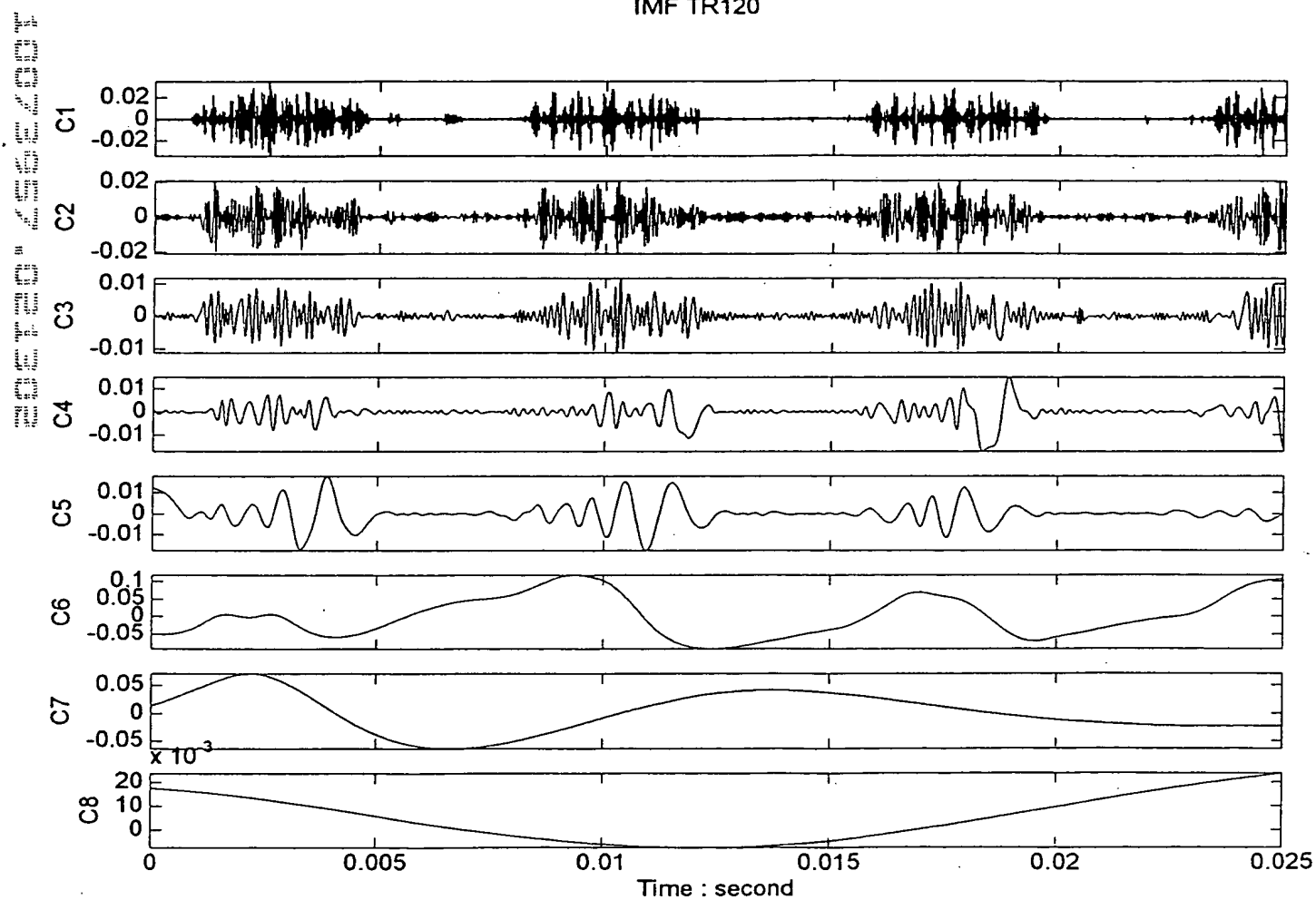


FIG. 61(c)

IMF TR200

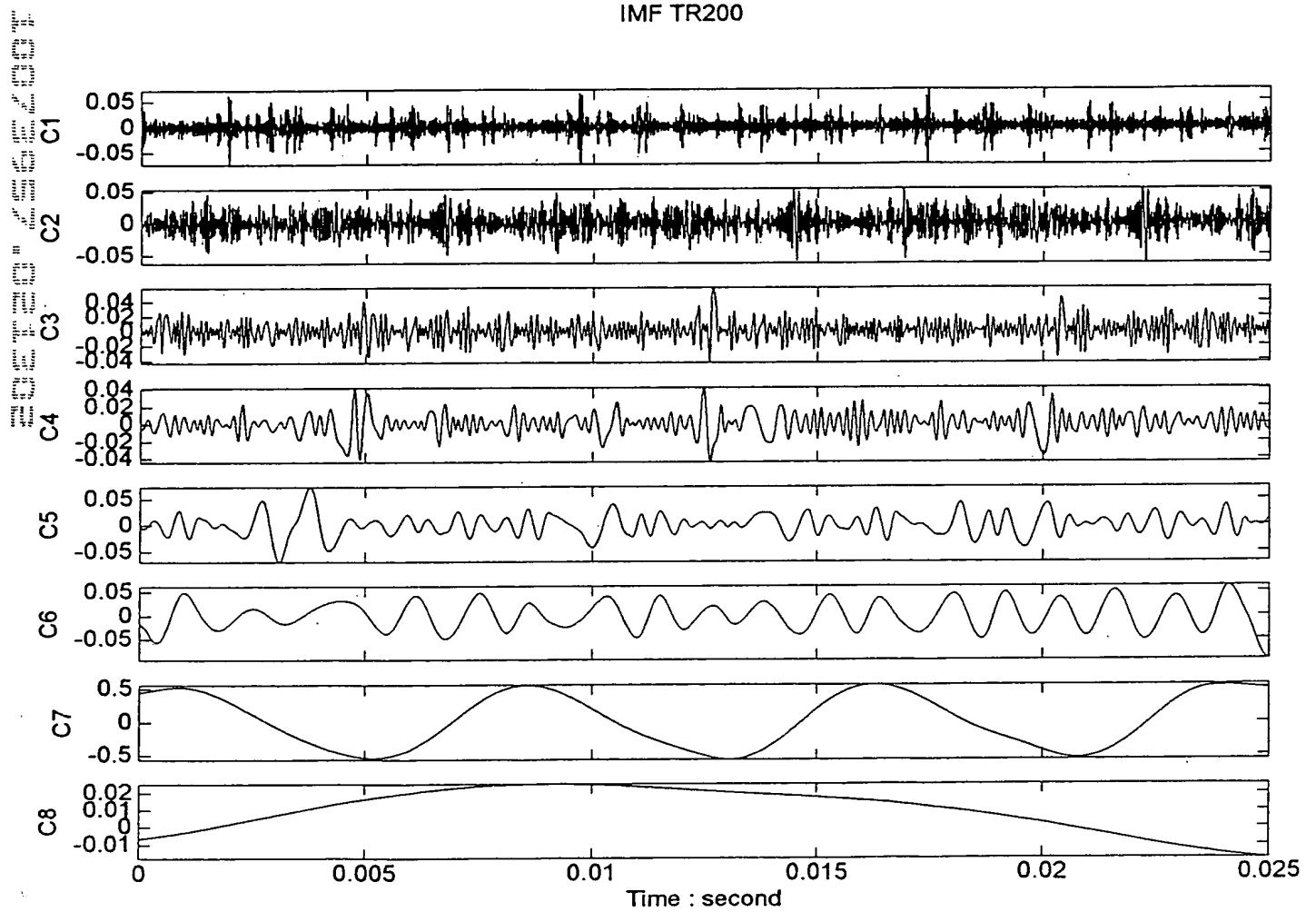


FIG. 62(a)

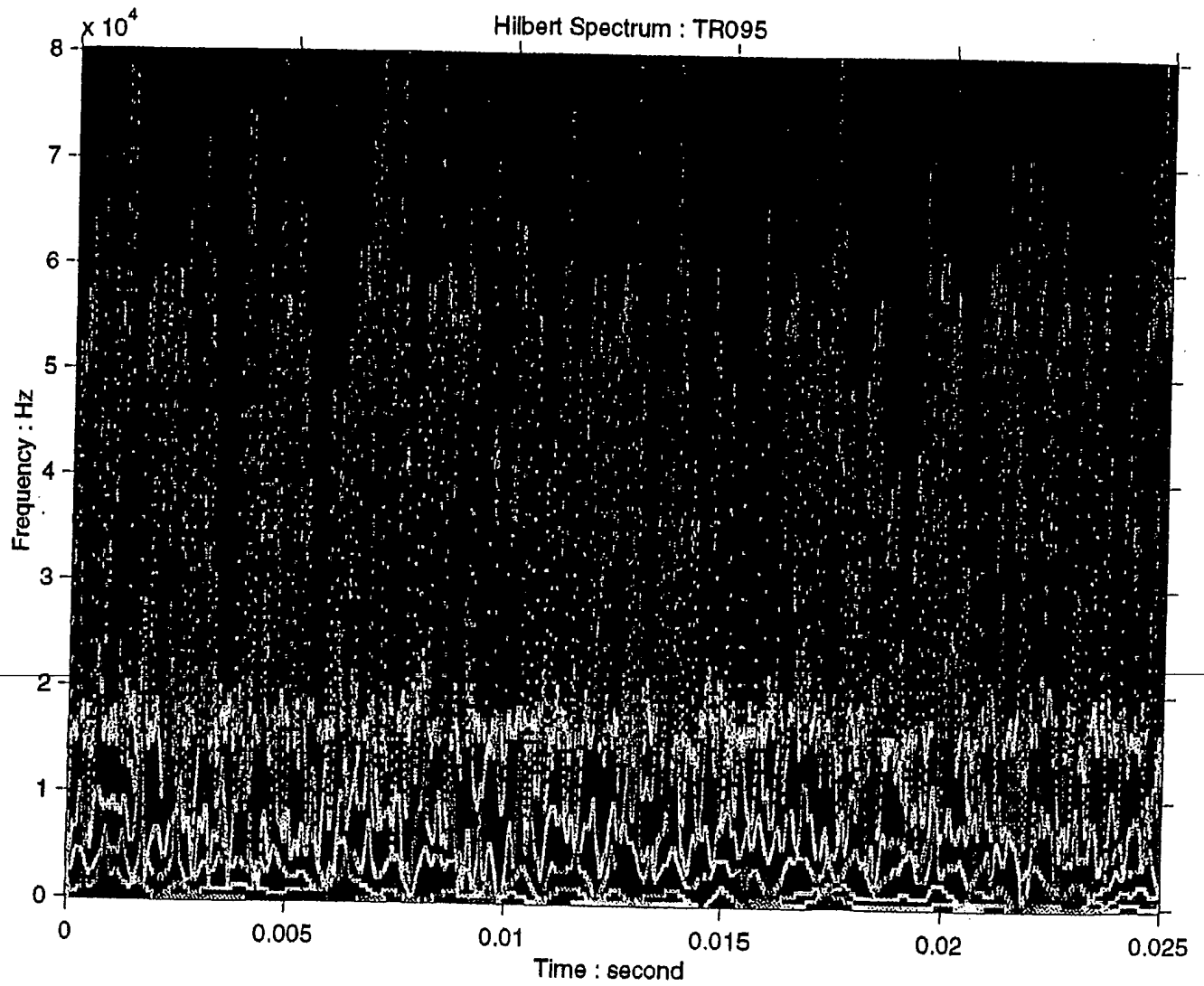


FIG. 62(b)

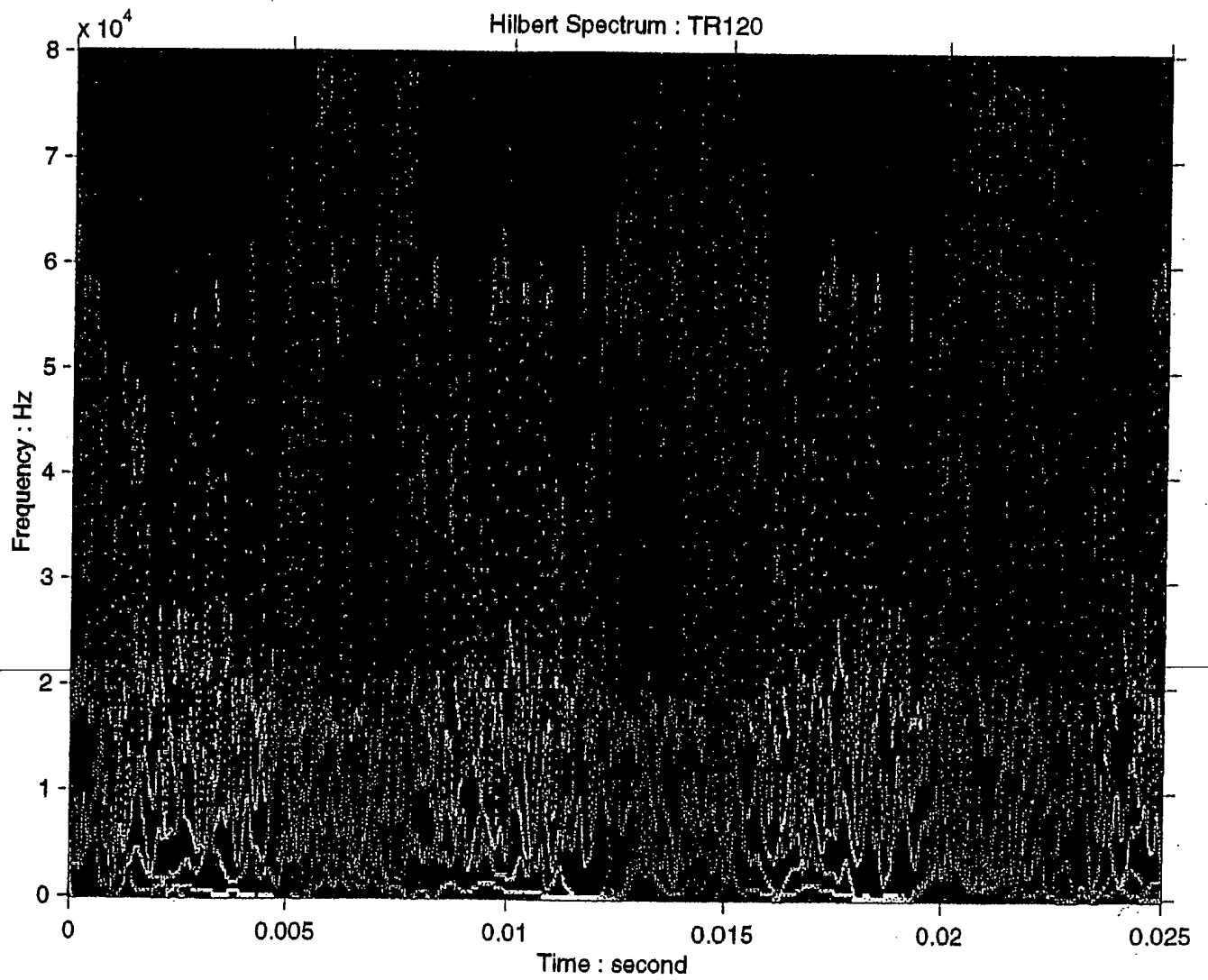


FIG. 62(c)

